

FIELD QA/QC SUMMARY FORM

Instructions: Complete one form per laboratory and per matrix for each sampling event.

DATE: March 24th, 2003
 Sampler: Weston Solutions
 Office: Sherman Oaks C/A
 Phone #: (818) 382-1800

Site: Talk Fee
 Case/SAS#: 31520
 Laboratory: Bonner Analytical

Matrix: ☒ Groundwater ☐ Surface soil ☐ Air
 (check one) ☐ Surface Water ☐ Subsurface soil ☐ Other

I. BLANKS

Sample:	Type (check one)	Date Collected
MYOSL6	<input checked="" type="checkbox"/> Equip <input type="checkbox"/> Field <input type="checkbox"/> Travel	3-18-03
MYOSL7	<input checked="" type="checkbox"/> Equip <input type="checkbox"/> Field <input type="checkbox"/> Travel	3-18-03
MYOSL9	<input checked="" type="checkbox"/> Equip <input type="checkbox"/> Field <input type="checkbox"/> Travel	3-20-03
	<input type="checkbox"/> Equip <input type="checkbox"/> Field <input type="checkbox"/> Travel	
	<input type="checkbox"/> Equip <input type="checkbox"/> Field <input type="checkbox"/> Travel	
	<input type="checkbox"/> Equip <input type="checkbox"/> Field <input type="checkbox"/> Travel	
	<input type="checkbox"/> Equip <input type="checkbox"/> Field <input type="checkbox"/> Travel	
	<input type="checkbox"/> Equip <input type="checkbox"/> Field <input type="checkbox"/> Travel	
	<input type="checkbox"/> Equip <input type="checkbox"/> Field <input type="checkbox"/> Travel	
	<input type="checkbox"/> Equip <input type="checkbox"/> Field <input type="checkbox"/> Travel	

II. BACKGROUND SAMPLES

Sample #	Date Collected
MYOSL3	3-18-03

III. LAB QC SAMPLES

Sample #	Date Collected
MYOSMØ	3-20-03

IV. DUPLICATES

Sample:	Matches Sample:	Date Collected	Type (choose one)
MYOSL8	MYOSMØ	3-20-03	a/ <input checked="" type="checkbox"/> b/ <input type="checkbox"/> c/ <input type="checkbox"/> d <input type="checkbox"/>
			a/ <input type="checkbox"/> b/ <input type="checkbox"/> c/ <input type="checkbox"/> d <input type="checkbox"/>
			a/ <input type="checkbox"/> b/ <input type="checkbox"/> c/ <input type="checkbox"/> d <input type="checkbox"/>
			a/ <input type="checkbox"/> b/ <input type="checkbox"/> c/ <input type="checkbox"/> d <input type="checkbox"/>
			a/ <input type="checkbox"/> b/ <input type="checkbox"/> c/ <input type="checkbox"/> d <input type="checkbox"/>
			a/ <input type="checkbox"/> b/ <input type="checkbox"/> c/ <input type="checkbox"/> d <input type="checkbox"/>

a = composite split
 b = consecutive
 c = colocated
 d = consecutive soil sleeves

V. Checklist of Field Problems Encountered

None ☐
 Pumping Equipment Problems ☐
 Sample Filtering Problems ☐
 Less Than Required Sample Volume ☐
 Low Flow/Recharge Rates ☐
 Preservation Problem ☐
 Samples Not Shipped in 24 hours ☒
 Federal Express Delay ☐

Sample # / Date(s) of Occurrence / Comments

MYOSL3, MYOSL4, MYOSL6 and MYOSL7 were collected 3-18-03 and shipped 3-19-03. Samples were kept on ice from time of collection to time of shipment. Samples were packed in coolers with ice prior to shipment.

FIELD QA/QC SUMMARY FORM

Instructions: Complete one form per laboratory and per matrix for each sampling event.

DATE: March 24th, 2003
 Sampler: Weston Solutions
 Office: Sherman Oaks, CA
 Phone #: (818) 382-1800

Site: Jalk Fee
 Case/SAS#: 31520
 Laboratory: Bonner Analytical

Matrix: _____ Groundwater _____ Surface soil _____ Air _____
 (check one) _____ Surface Water ☒ Subsurface soil _____ Other _____

I. BLANKS

Sample:	Type (check one)
_____	Equip _____ Field _____ Travel _____
_____	Equip _____ Field _____ Travel _____
_____	Equip _____ Field _____ Travel _____
_____	Equip _____ Field _____ Travel _____
_____	Equip _____ Field _____ Travel _____
_____	Equip _____ Field _____ Travel _____
_____	Equip _____ Field _____ Travel _____
_____	Equip _____ Field _____ Travel _____
_____	Equip _____ Field _____ Travel _____
_____	Equip _____ Field _____ Travel _____

II. BACKGROUND SAMPLES

Date Collected	Sample #	Date Collected
_____	<u>MYOSK8</u>	<u>3-18-03</u>
_____	<u>MYOSK9</u>	<u>3-18-03</u>
_____	_____	_____
_____	_____	_____

III. LAB QC SAMPLES

Sample #	Date Collected
<u>MYOSL0</u>	<u>3-18-03</u>
_____	_____
_____	_____

IV. DUPLICATES

Sample:	Matches Sample:	Date Collected	Type (choose one)
<u>MYOSL2</u>	<u>MYOSL1</u>	<u>3/18/03</u>	a/ _____ b/ <input checked="" type="checkbox"/> c/ _____ d _____
_____	_____	_____	a/ _____ b/ _____ c/ _____ d _____
_____	_____	_____	a/ _____ b/ _____ c/ _____ d _____
_____	_____	_____	a/ _____ b/ _____ c/ _____ d _____
_____	_____	_____	a/ _____ b/ _____ c/ _____ d _____
_____	_____	_____	a/ _____ b/ _____ c/ _____ d _____

a = composite split
 b = consecutive
 c = colocated
 d = consecutive soil sleeves

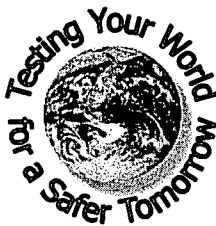
V. Checklist of Field Problems Encountered

None _____
 Pumping Equipment Problems _____
 Sample Filtering Problems _____
 Less Than Required Sample Volume _____
 Low Flow/Recharge Rates _____
 Preservation Problem _____
☒ Samples Not Shipped in 24 hours _____
 Federal Express Delay _____

Sample # / Date(s) of Occurrence / Comments

MYOSK8, MYOSK9, MYOSL0, MYOSL1, and MYOSL2 were collected 3-18-03 and shipped 3-19-03. Samples were kept on ice from time of collection to time of shipment. Samples were packed in coolers with ice prior to shipment.

Bonner Analytical Testing Company



2703 Oak Grove Road, Hattiesburg, MS 39402
Phone: (601) 264-2854 Fax: (601) 268-7084

Additional Data Submission

Case: 31520
SDG: MY0SK3

The Following additional information concerning this SDG has been resolved. The issues brought to the Laboratory's attention are listed below.

1. Equation used to calculate reported sample results: Included under cyanide section of the Amended SDG Narrative.
2. Testing for sulfides and oxidizing agents: Included under cyanide section of the Amended SDG Narrative.
3. Form 12, Preparation Log for method DS2 (midi-distillation) for addition of magnesium chloride: Included under cyanide section of the amended SDG Narrative.
4. Analytical results reported to two significant figures for results less than 10 and three significant figures for results greater than or equal to 10: Form 9 and Forms 1 for samples attached.
5. Logbook pages for cyanide analysis to provide reference numbers for the calibration standards and QC Standard, and certificates of traceability for relevant calibration standards: Attached

RECEIVED:
6-16-03
SK/ESAT

Bonner Analytical Testing Company



2703 Oak Grove Road, Hattiesburg, MS 39402
Phone: (601) 264-2854 Fax: (601) 268-7084

CASE NARRATIVE:

SDG Number: MY0SL3

Case Number: 31520

Contract Number: 68W02067

Sample Receipt:

Samples were received at BATCO on 03/20/03 and on 03/21/03 by FedEx and processed by the Sample Custodian. See email pages 54 through 56, for discrepancies found during sample receiving.

The following discrepancies were found:

1. Scheduling notice listed 8 samples, 4 water & 4 soil. Lab received 5 soil samples and 4 water samples. TR/COC indicated that the case was not complete.

Resolution: Region 9 indicated that 3 extra samples (water) were required and should be received 03/21/03. This was not known in advance. The lab was advised to proceed with analysis of all samples.

2. Custody seals were present and intact but no custody seal numbers, just dates and times.

Resolution: Lab may proceed, samplers used regular custody seals provided by Region 9.

3. No Samples tags listed on TR/COC and no sample tags on containers.

Resolution: Region 9 does not use sample tags. SMO instructed Bonner to continue with analysis.

4. Samples MY0SL3 and MY0SL4 contained a lot of solid matter. Are the samples two phases or aqueous only.

Resolution: Per Region 9, the lab will analyze the samples as aqueous only. These are water samples with excess sediment.

5. The TR/COC indicates that the shipment for the case is not complete.

Resolution: The lab should receive the remaining samples tomorrow.

6. The first TR/COC only indicated soil QC. The lab will wait for remaining water samples before choosing QC, if none is listed on the next TR/COC.

Resolution: Water QC was shipped and noted on the following TR/COC.

Cyanide:

The distillation of the samples included the addition of approximately 2 mL of magnesium chloride solution through the top air inlet tube of the distillation head into the reaction flask in accordance to SOW ILM05.2, Exhibit D, Section 10, 10.2.4.2.7.

The testing for sulfides and oxidizing agents were performed for the samples in house.

Sample Calculation for reported results:

$$\frac{[Results(\mu g / L) * Vol(L)]}{SampleWt(g)} \div PercentSolids$$

CSF:

No discrepancies

Authorized by: _____


Steve Flowers
Quality Assurance Officer

In Reference to
Case 31520 SDG #: MY0SL3

Contract Laboratory Program
REGIONAL/LABORATORY COMMUNICATION SYSTEM

Telephone Record Log

Date of Call: APRIL 23, 2003

Laboratory Name: Bonner Analytical Testing Co. (BONNER)

Lab Contact: Chris Bonner

Region: 9

Regional Contact: Steve Remaley, CLP PO

ESAT Reviewer: Stan Kott, ESAT/ICF-LDC

Call Initiated By: Laboratory X Region

In reference to data for the following samples:

SDG No.: MY0SL3

Samples: MY0SL3, MY0SL4, MY0SL6 through MY0SL9, and MY0SM0

Summary of Questions/issues Discussed:

The following items were noted during the review of this sample delivery group (SDG). Please respond within 4 days as specified in Exhibit B, Section 2, 2.2 of the ILM05.2 Statement of Work (SOW). Send response and resubmissions to ICF Consulting, Inc./Laboratory Data Consultants, Inc., Environmental Services Assistance Team, Region 9, 1337 S. 46th Street, Building 201, Richmond, CA 94804, FAX 510 412-2304.

1. The equation used to calculate the sample results is not provided. Please submit a corrected SDG Narrative page to include the equation used to calculate sample results as per SOW ILM05.2, Exhibit B, Section 2, 2.5.1.2.
2. It is not known if the samples were tested for sulfides and oxidizing agents prior to sample preparation as required by SOW ILM05.2, Exhibit D, Section 1, 1.5.2 and Section 10, 10.2.3.1.7. Please submit a corrected SDG Narrative page indicating this testing was performed.
3. Form 12, Preparation Log, indicates preparation method DW2 (midi-distillation of water samples). Please submit a corrected SDG Narrative page to indicate the addition of magnesium chloride as per SOW ILM05.2, Exhibit D, Section 10, 10.2.3.1.7.
4. SOW ILM05.2, Exhibit B, Section 2, 2.5.2.1.1 states analytical results shall be reported to two significant figures for results less than 10 and three significant figures for results greater than or equal to 10. Please submit a corrected Form 9 and Form 1s for samples MY0SL3, MY0SL4, MY0SL6 through MY0SL9, and MY0SM0.

In Reference to
Case 31520 SDG #: MY0SL3

Contract Laboratory Program
REGIONAL/LABORATORY COMMUNICATION SYSTEM (continued)

5. The logbook pages for cyanide analysis provide reference numbers for the calibration standards and QC standards used. However, Region 9 also requests that certificates of traceability for relevant calibration and QC standards be submitted. Information should include manufacture, lot number, laboratory reference number, and concentration.

For future reports (no response required):

1. The SDG Narrative page is labeled Case Narrative. Please correct page title to conform to SOW ILM05.2, Exhibit B, Section 2, 2.5.1.2.
2. Please sign and date airbill(s) and/or airbill sticker(s) when samples are received by the laboratory as per SOW ILM05.2, Exhibit B, Section 3, 3.5.2.1.
3. Forms DC-2-1 and DC-2-2 have a 'CHECK' section. Please check off documents included in the CSF under the 'LAB' column.

Summary of Resolution: To be determined.

Regional Contact Signature

Date of Resolution

Received 12-2-02

**QATS INORGANIC REFERENCE MATERIAL
INITIAL CALIBRATION VERIFICATION SOLUTIONS
(ICVs)**

October 17, 2002

Note: These instructions are for advisory purposes only. If any apparent conflict exists between these instructions and the contract, follow the contract.

CAUTION: Read Instructions Carefully Before Opening Bottles.

May Contain Metals or Cyanide
in Dilute Acidic or Basic Aqueous
Solutions

Material Safety Data Sheets
Available Upon Request

(A) SAMPLE DESCRIPTION

Enclosed is a reference material in a matrix of dilute acidic or basic aqueous solution, containing various analyte concentrations.

(B) BREAKAGE OR MISSING ITEMS

Check the contents of the shipment carefully for any broken, leaking, or missing items. Check that the seal is intact on each bottle. Refer to enclosed chain-of-custody sheets. Report any problems to Mr. Dave Brooks (702) 895-8702. Return chain-of-custody sheet with appropriate annotations and signatures to Mr. Brooks at the address provided below.

**Quality Assurance Technical Support Laboratory
2700 Chandler Ave - Bldg C
Las Vegas, NV 89120**

INORGANIC REFERENCE MATERIAL INITIAL CALIBRATION VERIFICATION SOLUTIONS (ICVs)

The Initial Calibration Verification Solutions (ICVs) are to be used to evaluate the accuracy of the initial calibrations of ICP and AA instruments. These solutions may also be used as aqueous Laboratory Control Solutions.

The values for each element in the ICVs are listed below in $\mu\text{g/L}$ (ppb) for the solutions that result after the concentrates have been diluted according to the following instructions:

1. **ICV-1 (1201)** -- For ICP-AES use, dilute the ICV-1 concentrate 10-fold with 2% (v/v) nitric acid; pipet 10 mL of the concentrate into a 100-mL volumetric flask and dilute to volume with 2% (v/v) nitric acid. For ICP-MS use, dilute the ICV-1 concentrate 50-fold with 1% (v/v) nitric acid; pipet 2 mL of the concentrate into a 100-mL volumetric flask and dilute to volume with 1% (v/v) nitric acid.
2. **ICV-2 (0601)** -- For furnace AA use, dilute the ICV-2 concentrate 20-fold with 2% (v/v) nitric acid; pipet 5 mL of the concentrate into a 100-mL volumetric flask and dilute to volume with 2% (v/v) nitric acid.
3. **ICV-3 (0500)** -- For ICP use, dilute the ICV-3 concentrate 10-fold with 2% (v/v) nitric acid; pipet 10 mL of the concentrate into a 100-mL volumetric flask and dilute to volume with 2% (v/v) nitric acid. For furnace AA use, dilute the ICV-3 concentrate 100-fold with 2% (v/v) nitric acid; pipet 1 mL of the concentrate into a 100-mL volumetric flask and dilute to volume with 2% (v/v) nitric acid.
4. **ICV-4 (0499)** -- For the furnace AA determination of lead and thallium, dilute the ICV-4 concentrate 10-fold with 2% (v/v) nitric acid; pipet 10 mL of the concentrate into a 100-mL volumetric flask and dilute to volume with 2% (v/v) nitric acid. For the furnace AA determination of silver and cadmium, dilute the ICV-4 concentrate 100-fold with 2% (v/v) nitric acid; pipet 1 mL of the concentrate into a 100-mL volumetric flask and dilute to volume with 2% (v/v) nitric acid.
5. **ICV-5 (0700)** -- For the cold vapor analysis of mercury by AA, dilute the ICV-5 concentrate 100-fold with 2% (v/v) nitric acid; pipet 1 mL of the concentrate into a 100-mL volumetric flask and dilute to volume with 2% (v/v) nitric acid. The ICV-5 concentrate is prepared in 0.05% (w/v) $\text{K}_2\text{Cr}_2\text{O}_7$ and 5% (v/v) nitric acid. The concentrate must be stored in the dark.
6. **ICV-6 (0400)** -- For the analysis of cyanide, dilute the ICV-6 concentrate 100-fold with Type II water; pipet 1 mL of the concentrate into a 100-mL volumetric flask and dilute to volume with Type II water. Distill this solution along with the samples before analysis. The cyanide concentrate is prepared from $\text{K}_3\text{Fe}(\text{CN})_6$, Type II water, and 0.1 % sodium hydroxide, and will decompose rapidly if exposed to light. The concentrate must be stored in the dark.

NOTE: USE TYPE II WATER AND HIGH-PURITY ACIDS FOR ALL DILUTIONS

ICV-5 (0700)	
Element	Concentration (µg/L) (after 100-fold dilution)
Hg	4.1

ICV-6 (0400)	
Element	Concentration (µg/L) (after 100-fold dilution)
CN	99



DataPack™

Certification

received 1-10-03 MCM

Free Cyanide

Lot No. 03122

Catalog No. 997 - 500 ml

Catalog No. 048 - 125 ml

<u>Parameter</u>	<u>Certified Value (mg/L)</u>
Free Cyanide	1000

Expiration Date: December 2004.

Preservative: This standard is preserved with 0.5% (v/v) NaOH.

Production Notes: This standard is made from Potassium Cyanide (KCN).

Standard Preparation Instructions: None required. This standard is ready to dilute and analyze as received.

Storage: Store at 20-25°C.

Traceability Data Summary

No NIST Traceability data is available. A NIST certified Cyanide standard is not currently available. The standard is traceable to NIST weights used for the calibration and checks of all balances during the manufacture of this standard.

Received 12.2.02

**INORGANIC REFERENCE MATERIAL
SOLID LABORATORY CONTROL SAMPLE - CYANIDE
LCS CN (0899)**

Note: These instructions are for advisory purposes only. If any apparent conflict exists between these instructions and the contract, follow the contract.

CAUTION: Read Instructions Carefully Before Opening Bottles.

Contains Cyanide
Material Safety Data Sheets
Available Upon Request

(A) SAMPLE DESCRIPTION

Enclosed is a solid reference material composed of sand which contains Iron (III) Cyanide.

(B) BREAKAGE OR MISSING ITEMS

Check the contents of the shipment carefully for any broken, leaking, or missing items. Check that the seal is intact on each bottle. Refer to enclosed chain-of-custody sheets. Report any problems to Mr. Art Clarke, Materials Document Control Officer, IT Corporation (702) 895-8714. Return chain-of-custody sheet with appropriate annotations and signatures to Mr. Clarke at the address provided below.

IT Corporation
2700 Chandler Ave - Bldg C
Las Vegas, NV 89120

**INORGANIC REFERENCE MATERIAL
SOLID LABORATORY CONTROL SAMPLE-CYANIDE
LCS CN (0899)**

This solid laboratory control sample was prepared by the Quality Assurance Technical Support Laboratory (QATS) operated by IT Corporation under contract to the EPA. This material requires acid distillation to release cyanide. Use a five gram aliquot for macro-distillation or a one gram aliquot for midi-distillation. The "true value" concentration and control limits were derived from the results of an EPA multi-laboratory analysis of the solid material by Contract Laboratory Program procedures. The "True Value" concentration and control limits are listed in the table below.

"TRUE VALUE" CONCENTRATIONS AND CONTROL LIMITS FOR THE ELEMENTS IN THE
SOLID LABORATORY CONTROL SAMPLE CYANIDE, LCS CN (0899)

Analyte	True Value (mg/kg)	Control Limits (mg/kg)
CN	9.6	7.4 to 11.8

USEPA - CLP
1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MY0SL3

Lab Name: Bonner Analytical Testing Contract: 68W02067
Lab Code: BONNER Case No.: 31520 NRAS No.: _____ SDG NO.: MY0SL3
Matrix (soil/water): WATER Lab Sample ID: BT82813
Level (low/med): LOW Date Received: 3/20/2003
% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
57-12-5	Cyanide	10.00	U		AS

Color Before: Brown Clarity Before: Opaque Texture: _____
Color After: White Clarity After: Opaque Artifacts: _____

Comments:

USEPA - CLP
1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MY0SL4

Lab Name: Bonner Analytical Testing Contract: 68W02067
Lab Code: BONNER Case No.: 31520 NRAS No.: _____ SDG NO.: MY0SL3
Matrix (soil/water): WATER Lab Sample ID: BT82814
Level (low/med): LOW Date Received: 3/20/2003
% Solids: 0.0
Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
57-12-5	Cyanide	10.00	U		AS

Color Before: Brown Clarity Before: Opaque Texture: _____
Color After: White Clarity After: Opaque Artifacts: _____

Comments:

USEPA - CLP
1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MY0SL6

Lab Name: Bonner Analytical Testing Contract: 68W02067
Lab Code: BONNER Case No.: 31520 NRAS No.: _____ SDG NO.: MY0SL3
Matrix (soil/water): WATER Lab Sample ID: BT82815
Level (low/med): LOW Date Received: 3/20/2003
% Solids: 0.0
Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
57-12-5	Cyanide	10.00	U		AS

Color Before: Colorless Clarity Before: Clear Texture: _____
Color After: Colorless Clarity After: Clear Artifacts: _____

Comments:

USEPA - CLP
1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MY0SL7

Lab Name: Bonner Analytical Testing Contract: 68W02067
Lab Code: BONNER Case No.: 31520 NRAS No.: _____ SDG NO.: MY0SL3
Matrix (soil/water): WATER Lab Sample ID: BT82816
Level (low/med): LOW Date Received: 3/20/2003
% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
57-12-5	Cyanide	10.00	U		AS

Color Before: Colorless Clarity Before: Clear Texture: _____
Color After: Colorless Clarity After: Clear Artifacts: _____

Comments:

USEPA - CLP
1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MY0SL8

Lab Name: Bonner Analytical Testing Contract: 68W02067
Lab Code: BONNER Case No.: 31520 NRAS No.: _____ SDG NO.: MY0SL3
Matrix (soil/water): WATER Lab Sample ID: BT82817
Level (low/med): LOW Date Received: 3/20/2003
% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
57-12-5	Cyanide	10.00	U		AS

Color Before: Brown Clarity Before: Opaque Texture: _____
Color After: White Clarity After: Opaque Artifacts: _____

Comments:

USEPA - CLP
1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MY0SL9

Lab Name: Bonner Analytical Testing Contract: 68W02067
Lab Code: BONNER Case No.: 31520 NRAS No.: _____ SDG NO.: MY0SL3
Matrix (soil/water): WATER Lab Sample ID: BT82818
Level (low/med): LOW Date Received: 3/20/2003
% Solids: 0.0
Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
57-12-5	Cyanide	10.00	U		AS

Color Before: Colorless Clarity Before: Clear Texture: _____
Color After: Colorless Clarity After: Clear Artifacts: _____

Comments:

USEPA - CLP
1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MY0SM0

Lab Name: Bonner Analytical Testing Contract: 68W02067
Lab Code: BONNER Case No.: 31520 NRAS No.: _____ SDG NO.: MY0SL3
Matrix (soil/water): WATER Lab Sample ID: BT82819
Level (low/med): LOW Date Received: 3/20/2003
% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
57-12-5	Cyanide	10.00	U		AS

Color Before: Brown Clarity Before: Opaque Texture: _____
Color After: Brown Clarity After: Opaque Artifacts: _____

Comments:

USEPA - CLP

9-IN

METHOD DETECTION LIMITS (ANNUALLY)

Lab Name: Bonner Analytical Testing Contract: 68W02067

Lab Code: BONNER Case No.: 31520 NRAS No.: SDG NO.: MY0SL3

Instrument Type: AS Instrument ID: Astoria01 Date: 11/22/2002

Preparation Method: NP1

Concentration Units (ug/L or mg/kg): UG/L

Analyte	Wave-Length /Mass	CRQL	MDL
Cyanide	578.00	10	2.00

USEPA - CLP

9-IN

METHOD DETECTION LIMITS (ANNUALLY)

Lab Name: Bonner Analytical TestingContract: 68W02067Lab Code: BONNER Case No.: 31520

NRAS No.: _____

SDG NO.: MY0SL3Instrument Type: ASInstrument ID: Astoria01Date: 11/22/2002Preparation Method: DW2Concentration Units (ug/L or mg/kg): UG/L

Analyte	Wave-Length /Mass	CRQL	MDL
Cyanide	578.00	10	2.00

FULL INORGANICS COMPLETE SDG FILE (CSF) INVENTORY SHEET

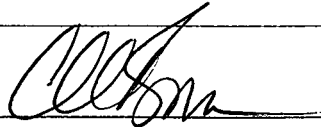
LABORATORY NAME	<u>Bonner Analytical Testing Company</u>		
CITY/STATE	<u>Hattiesburg, MS</u>		
CASE NO.	<u>31520</u>	SDG NO.	<u>MY0SL3</u>
SDG NOS. TO FOLLOW	<u>N/A</u>		
NRAS NO.	<u>N/A</u>		
CONTRACT NO.	<u>68W02067</u>		
SOW NO.	<u>ILM05.2</u>		

All documents delivered in the Complete SDG File must be original documents where possible. (Reference - Exhibit B Section 2.6)

	PAGE NOS.		CHECK	
	FROM	TO	LAB	REGION
1. Inventory Sheet (DC-2) (Do not number)				✓
2. Sample Log-In Sheet (DC-1)	<u>1</u>	<u>2</u>		✓
3. Traffic Report/Chain of Custody Record	<u>3</u>	<u>4</u>		✓
4. Cover Page	<u>5</u>	<u>5</u>		✓
5. SDG Narrative	<u>6</u>	<u>7</u>		✓
Inorganic Analysis				
6. Data Sheet (Form I-IN)	<u>8</u>	<u>14</u>		✓
7. Initial & Continuing Calibration Verification (Form IIA-IN)	<u>15</u>	<u>16</u>		✓
8. CRQL Standard (Form IIB-IN)	<u>17</u>	<u>17</u>		✓
9. Blanks (Form III-IN)	<u>18</u>	<u>18</u>		✓
10. ICP-AES Interference Check Sample (Form IVA-IN)	<u>N/A</u>	<u>N/A</u>		<u>N/A</u>
11. ICP-MS Interference Check Sample (Form IVB-IN)	<u>N/A</u>	<u>N/A</u>		<u>N/A</u>
12. Matrix Spike Sample Recovery (Form VA-IN)	<u>19</u>	<u>19</u>		✓
13. Post-Digestion Spike Sample Recovery (Form VB-IN)	<u>N/A</u>	<u>N/A</u>		<u>N/A</u>
14. Duplicates (Form VI-IN)	<u>20</u>	<u>20</u>		✓
15. Laboratory Control Sample (Form VII-IN)	<u>N/A</u>	<u>N/A</u>		<u>N/A</u>
16. ICP-AES and ICP-MS Serial Dilutions (Form VIII-IN)	<u>N/A</u>	<u>N/A</u>		<u>N/A</u>
17. Method Detection Limits (Annually) (Form IX-IN)	<u>21</u>	<u>21</u>		✓
18. ICP-AES Interelement Correction Factors (Quarterly) (Form XA-IN)	<u>N/A</u>	<u>N/A</u>		<u>N/A</u>
19. ICP-AES Interelement Correction Factors (Quarterly) (Form XB-IN)	<u>N/A</u>	<u>N/A</u>		<u>N/A</u>
20. ICP-AES and ICP-MS Linear Ranges (Quarterly) (Form XI-IN)	<u>N/A</u>	<u>N/A</u>		<u>N/A</u>
21. Preparation Log (Form XII-IN)	<u>22</u>	<u>22</u>		✓
22. Analysis Run Log (Form XIII-IN)	<u>23</u>	<u>23</u>		✓

	PAGE NOS.		CHECK	
	FROM	TO	LAB	REGION
23. ICP-MS Tune (Form XIV-IN)	<u>N/A</u>	<u>N/A</u>	<u> </u>	<u>N/A</u>
24. ICP-MS Internal Standards Relative Intensity Summary (Form XV-IN)	<u>N/A</u>	<u>N/A</u>	<u> </u>	<u>N/A</u>
25. ICP-AES Raw Data	<u>N/A</u>	<u>N/A</u>	<u> </u>	<u>N/A</u>
26. GFAA Raw Data (If Applicable)	<u>N/A</u>	<u>N/A</u>	<u> </u>	<u>N/A</u>
27. ICP-MS Raw Data	<u>N/A</u>	<u>N/A</u>	<u> </u>	<u>N/A</u>
28. Mercury Raw Data	<u>N/A</u>	<u>N/A</u>	<u> </u>	<u>N/A</u>
29. Cyanide Raw Data	<u>24</u>	<u>27</u>	<u> </u>	<u>✓</u>
30. Preparation Logs Raw Data	<u>28</u>	<u>29</u>	<u> </u>	<u>✓</u>
31. Percent Solids Determination Log	<u>N/A</u>	<u>N/A</u>	<u> </u>	<u>N/A</u>
32. USEPA Shipping/Receiving Documents Airbill (No. of Shipments <u>2</u>)	<u>30</u>	<u>33</u>	<u> </u>	<u>✓</u>
Sample Tags			<u> </u>	<u>N/A</u>
Sample Log-In Sheet (Lab)	<u>34</u>	<u>36</u>	<u> </u>	<u>✓</u>
33. Misc. Shipping/Receiving Records (list all individual records)				
Telephone Logs	<u>N/A</u>	<u>N/A</u>	<u> </u>	<u>N/A</u>
<u>Scheduling + shipping notices</u>	<u>37</u>	<u>38</u>	<u> </u>	<u>✓</u>
<u>SDG cover + misc FedEx</u>	<u>39</u>	<u>42</u>	<u> </u>	<u>✓</u>
34. Internal Lab Sample Transfer Records & Tracking Sheets (describe or list)				
<u>In-house COC</u>	<u>43</u>	<u>43</u>	<u> </u>	<u>✓</u>
<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u> </u>	<u> </u>
35. Internal Original Sample Prep & Analysis Records (describe or list)				
Prep Records <u>standard + reagent logs</u>	<u>44</u>	<u>52</u>	<u> </u>	<u>✓</u>
Analysis Records <u>run log raw data</u>	<u>53</u>	<u>53</u>	<u> </u>	<u>✓</u>
Description <u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u> </u>	<u>N/A</u>
36. Other Records (describe or list)				
Telephone Communications Log	<u>N/A</u>	<u>N/A</u>	<u> </u>	<u>N/A</u>
<u>emails</u>	<u>54</u>	<u>56</u>	<u> </u>	<u>✓</u>
<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u> </u>	<u> </u>

37. Comments: _____

Completed by: 
(CLP Lab) _____
(Signature)

Chris Bonner LAB MANAGER 3/24/03
(Print Name & Title) (Date)

Audited by: Stan Kott
(USEPA) _____
(Signature)

STAN KOTT / ESAT
(Print Name & Title) 4/17/03
(Date)

SAMPLE LOG-IN SHEET

Lab Name <u>Bonner Analytical Testing Company</u>				Page <u>1</u> of <u>2</u>	
Received By (Print Name) <u>Laurie Rinko</u>				Log-in Date <u>3-20-03</u>	
Received By (Signature) <u>Laurie Rinko</u>					
Case Number <u>31520</u>		Sample Delivery Group No. <u>MYOSL3</u>		NRAS Number	
Remarks: 1. Custody Seal(s) <u>Present</u> /Absent* Intact/Broken 2. Custody Seal Nos. <u>N/A</u> <u>N/A</u> 3. Traffic Reports/Chain of Custody Records or Packing Lists <u>Present</u> /Absent* 4. Airbill <u>Airbill/Sticker Present</u> /Absent* 5. Airbill No. <u>835859426468</u> <u>N/A</u> 6. Sample Tags <u>Present</u> /Absent* Sample Tag Numbers <u>Listed/Not listed on Traffic Report/Chain of Custody Record</u> 7. Sample Condition <u>Intact</u> /Broken*/Leaking 8. Cooler Temperature Indicator Bottle <u>Present</u> /Absent* 9. Cooler Temperature <u>2.5 °C</u> 10. Does information on Traffic Reports/Chain of Custody Records and sample tags agree? <u>Yes</u> /No* 11. Date Received at Lab <u>3-20-03</u> 12. Time Received <u>0900</u>	EPA Sample #	Aqueous Sample pH	Corresponding Sample Tag #	Assigned Lab #	Remarks: Condition of Sample Shipment, etc.
	MYOSL3	13	N/A	BT82813	good
	MYOSL4	13	N/A	BT82814	
	MYOSL6	13	N/A	BT82815	
	MYOSL7	13	N/A	BT82816	
Sample Transfer					
Fraction	Fraction				
Area #	Area #				
By	By				
On	On				

* Contact SMO and attach record of resolution

Reviewed By		Logbook No.
Date		Logbook Page No.

Lab Name Bonner Analytical Testing Company				Page 2 of 2	
Received By (Print Name) Laurie Rinko				Log-in Date 3-21-03	
Received By (Signature) <i>Laurie Rinko</i>					
Case Number 31520		Sample Delivery Group No. MYOSL3		NRAS Number	
Remarks:		Corresponding			Remarks: Condition of Sample Shipment, etc.
		EPA Sample #	Aqueous Sample pH	Sample Tag #	
1. Custody Seal(s) <u>Present</u> / Absent* Intact / Broken		MYOSL8	13	N/A	BT82817
2. Custody Seal Nos. <u>N/A</u>		MYOSL9	13	N/A	BT82818
3. Traffic Reports/Chain of Custody Records or Packing Lists <u>Present</u> / Absent*		MYOSMO	13	N/A	BT82819
4. Airbill <u>Airbill/Sticker</u> <u>Present</u> / Absent*		MYOSMO	13	N/A	BT82819
5. Airbill No. 835859426527 <u>N/A</u>					
6. Sample Tags <u>Present</u> / Absent* Sample Tag Numbers <u>Listed/Not</u> <u>Listed on</u> <u>Traffic</u> <u>Report/Chain of</u> <u>Custody Record</u>					
7. Sample Condition <u>Intact</u> / Broken* / Leaking					
8. Cooler Temperature Indicator Bottle <u>Present</u> / Absent*					
9. Cooler Temperature 2.5°C					
10. Does information on Traffic Reports/Chain of Custody Records and sample tags agree? <u>Yes</u> / No*					
11. Date Received at Lab 3-21-03					
12. Time Received 0900					
Sample Transfer					
Fraction	Fraction				
Area #	Area #				
By	By				
On	On				

* Contact SMO and attach record of resolution

Reviewed By		Logbook No.
Date		Logbook Page No.

003 (4)



USEPA Contract Laboratory Program Inorganic Traffic Report & Chain of Custody Record

Case No: 31520

DAS No:

SDG No:

MY0SL3

L

Date Shipped: 3/19/2003 Carrier Name: FedEx Airbill: 835859426468 Shipped to: Bonner Analytical Testing Co. 2703 Oak Grove Road Hattiesburg MS 39402 (601) 264-2854	Chain of Custody Record		Sampler Signature: <i>Shka</i>	For Lab Use Only Lab Contract No: 68W02067 Unit Price: \$ 72.00 Transfer To: _____ Lab Contract No: _____ Unit Price: _____	
	Relinquished By	(Date / Time)	Received By		(Date / Time)
	1 <i>Shka</i>	3-19-03 1600	Federal Express		3-19-03 1600
	2		Yanni Runko		3-20-03 0900
	3				
4					

INORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No/ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME	ORGANIC SAMPLE No.	FOR LAB USE ONLY Sample Condition On Receipt
MY0SK8	Soil (>12")/ Anitra Rice	L/G	CN (21)	(Ice Only) (1)	JF-1-S5	S: 3/18/2003 15:50	Y0SK8	good ↓
MY0SK9	Soil (>12")/ Anitra Rice	L/G	CN (21)	(Ice Only) (1)	JF-1-S15	S: 3/18/2003 16:12	Y0SK9	
MY0SL0	Soil (>12")/ Anitra Rice	M/G	CN (21)	(Ice Only) (2) ¹	JF-7-S20	S: 3/18/2003 10:30	Y0SL0	
MY0SL1	Soil (>12")/ Anitra Rice	M/G	CN (21)	(Ice Only) (1)	JF-7-S30	S: 3/18/2003 10:55	Y0SL1	
MY0SL2	Soil (>12")/ Anitra Rice	M/G	CN (21)	(Ice Only) (1)	JF-7-S35	S: 3/18/2003 11:00	Y0SL2	
MY0SL3	Ground Water/ Anitra Rice	L/G	CN (21)	(NaOH) (1)	JF-GW-1	S: 3/18/2003 13:00	Y0SL3	
MY0SL4	Ground Water/ Anitra Rice	L/G	CN (21)	(NaOH) (1)	JF-GW-2	S: 3/18/2003 17:01	Y0SL4	
MY0SL6	Ground Water/ Anitra Rice	L/G	CN (21)	(NaOH) (1)	JF-GW-4	S: 3/18/2003 16:31	Y0SL6	
MY0SL7	Ground Water/ Anitra Rice	L/G	CN (21)	(NaOH) (1)	JF-GW-5	S: 3/18/2003 17:17	Y0SL7	

Shipment for Case Complete? N	Sample(s) to be used for laboratory QC: MY0SL0	Additional Sampler Signature(s): <i>Anitra Rice</i>	Cooler Temperature Upon Receipt: 2.5°C	Chain of Custody Seal Number: N/A
Analysis Key: CN = Cyanide	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G	Custody Seal Intact? <input checked="" type="checkbox"/>	Shipment Iced? <input checked="" type="checkbox"/>

TR Number: 9-233994445-031903-0003

PR provides preliminary results. Requests for preliminary results will increase analytical costs.

Send Copy to: Sample Management Office, 2000 Edmund Halley Dr., Reston, VA. 20191-3400 Phone 703/264-9348 Fax 703/264-9222

LABORATORY COPY

004



USEPA Contract Laboratory Program Inorganic Traffic Report & Chain of Custody Record

Case No: 31520

DAS No:

SDG No: MYOSL3

L

Date Shipped: 3/20/2003 Carrier Name: FedEx Airbill: 835859426527 Shipped to: Bonner Analytical Testing Co. 2703 Oak Grove Road Hattiesburg MS 39402 (601) 264-2854	Chain of Custody Record		Sampler Signature: <i>ARKC</i>		For Lab Use Only	
	Relinquished By	(Date / Time)	Received By	(Date / Time)	Lab Contract No:	68W02067
	1 <i>ARKC</i>	3-20-03 1300	Federal Express	3-20-03 1300	Unit Price:	\$72 ⁰⁰
	2		Charlie Rindo	3-21-03/0900	Transfer To:	
	3				Lab Contract No:	
4				Unit Price:		

INORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME		ORGANIC SAMPLE No.	FOR LAB USE ONLY Sample Condition On Receipt
MYOSL8	Ground Water/ Anitra Rice	M/G	CN (21)	19 (NaOH) (1)	JF-GW-6	S: 3/20/2003	9:25	YOSL8	good
MYOSL9	Ground Water/ Anitra Rice	L/G	CN (21)	23 (NaOH) (1)	JF-GW-8	S: 3/20/2003	10:00	YOSL9	
MYOSM0	Ground Water/ Anitra Rice	M/G	CN (21)	14 (NaOH), 15 (NaOH) (2)	JF-GW-3	S: 3/20/2003	9:19	YOSM0	↓

Shipment for Case Complete? Y	Sample(s) to be used for laboratory QC: MYOSM0	Additional Sampler Signature(s):	Cooler Temperature Upon Receipt: 2.5°C	Chain of Custody Seal Number: N/A
Analysis Key: CN = Cyanide	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G	Custody Seal Intact? Y	Shipment Iced? Y

IR Number: 9-233994445-032003-0001

provides preliminary results. Requests for preliminary results will increase analytical costs.

Copy to: Sample Management Office, 2000 Edmund Halley Dr., Reston, VA. 20191-3400 Phone 703/264-9348 Fax 703/264-9222

LABORATORY COPY

USEPA - CLP

COVER PAGE

Lab Name: Bonner Analytical Testing Company Contract: 68W02067Lab Code: BONNER Case No: 31520 NRAS No.: _____ SDG No: MY0SL3SOW No.: ILM05.2

EPA Sample No.	Lab Sample ID
<u>MY0SL3</u>	<u>BT82813</u>
<u>MY0SL4</u>	<u>BT82814</u>
<u>MY0SL6</u>	<u>BT82815</u>
<u>MY0SL7</u>	<u>BT82816</u>
<u>MY0SL8</u>	<u>BT82817</u>
<u>MY0SL9</u>	<u>BT82818</u>
<u>MY0SM0</u>	<u>BT82819</u>
<u>MY0SM0D</u>	<u>BT82819D</u>
<u>MY0SM0S</u>	<u>BT82819S</u>

		ICP-AES	ICP-MS
Were ICP-AES and ICP-MS interelement corrections applied?	(Yes/No)	<u>YES</u>	<u>YES</u>
Were ICP-AES and ICP-MS background corrections applied?	(Yes/No)	<u>YES</u>	<u>YES</u>
If yes, were raw data generated before application of background corrections?	(Yes/No)	<u>NO</u>	<u>NO</u>

Comments: _____

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on diskette (or via an alternate means of electronic transmission, if approved in advance by USEPA) has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: Name: Chris BonnerDate: 3/26/03Title: Inorganic Laboratory Manager

Bonner Analytical Testing Company

006



2703 Oak Grove Road, Hattiesburg, MS 39402
Phone: (601) 264-2854 Fax: (601) 268-7084

CASE NARRATIVE:

SDG Number: MY0SL3

Case Number: 31520

Contract Number: 68W02067

Sample Receipt:

Samples were received at BATCO on 03/20/03 and on 03/21/03 by FedEx and processed by the Sample Custodian. See email pages 54 through 56, for discrepancies found during sample receiving.

The following discrepancies were found:

1. Scheduling notice listed 8 samples, 4 water & 4 soil. Lab received 5 soil samples and 4 water samples. TR/COC indicated that the case was not complete.

Resolution: Region 9 indicated that 3 extra samples (water) were required and should be received 03/21/03. This was not known in advance. The lab was advised to proceed with analysis of all samples.

2. Custody seals were present and intact but no custody seal numbers, just dates and times.

Resolution: Lab may proceed, samplers used regular custody seals provided by Region 9.

3. No Samples tags listed on TR/COC and no sample tags on containers.

Resolution: Region 9 does not use sample tags. SMO instructed Bonner to continue with analysis.

4. Samples MY0SL3 and MY0SL4 contained a lot of solid matter. Are the samples two phases or aqueous only.

Resolution: Per Region 9, the lab will analyze the samples as aqueous only. These are water samples with excess sediment.

5. The TR/COC indicates that the shipment for the case is not complete.

Resolution: The lab should receive the remaining samples tomorrow.

6. The first TR/COC only indicated soil QC. The lab will wait for remaining water samples before choosing QC, if none is listed on the next TR/COC.

Resolution: Water QC was shipped and noted on the following TR/COC.

Cyanide:

No discrepancies

CSF:

No discrepancies

Authorized by: _____



Chris M. Bonner
Laboratory Manager

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MY0SL3

Lab Name: Bonner Analytical Testing Contract: 68W02067
Lab Code: BONNER Case No.: 31520 NRAS No.: _____ SDG NO.: MY0SL3
Matrix (soil/water): WATER Lab Sample ID: BT82813
Level (low/med): LOW Date Received: 3/20/2003
% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
57-12-5	Cyanide	10.000	U		AS

Color Before: Brown Clarity Before: Opaque Texture: _____
Color After: White Clarity After: Opaque Artifacts: _____

Comments: _____

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MY0SL4

Lab Name: Bonner Analytical Testing Contract: 68W02067
Lab Code: BONNER Case No.: 31520 NRAS No.: _____ SDG NO.: MY0SL3
Matrix (soil/water): WATER Lab Sample ID: BT82814
Level (low/med): LOW Date Received: 3/20/2003
% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
57-12-5	Cyanide	10.000	U		AS

Color Before: Brown Clarity Before: Opaque Texture: _____
Color After: White Clarity After: Opaque Artifacts: _____

Comments: _____

USEPA - CLP
1A-IN
INORGANIC ANALYSIS DATA SHEET

010

EPA SAMPLE NO.

MY0SL6

Lab Name: Bonner Analytical Testing Contract: 68W02067
Lab Code: BONNER Case No.: 31520 NRAS No.: _____ SDG NO.: MY0SL3
Matrix (soil/water): WATER Lab Sample ID: BT82815
Level (low/med): LOW Date Received: 3/20/2003
% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
57-12-5	Cyanide	10.000	U		AS

Color Before: Colorless Clarity Before: Clear Texture: _____
Color After: Colorless Clarity After: Clear Artifacts: _____

Comments:

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MY0SL7

Lab Name: Bonner Analytical Testing Contract: 68W02067Lab Code: BONNER Case No.: 31520 NRAS No.: _____ SDG NO.: MY0SL3Matrix (soil/water): WATER Lab Sample ID: BT82816Level (low/med): LOW Date Received: 3/20/2003% Solids: 0.0Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
57-12-5	Cyanide	10.000	U		AS

Color Before: Colorless Clarity Before: Clear Texture: _____Color After: Colorless Clarity After: Clear Artifacts: _____Comments: _____

1A-IN

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MY0SL8

Lab Name: Bonner Analytical Testing Contract: 68W02067Lab Code: BONNER Case No.: 31520 NRAS No.: _____ SDG NO.: MY0SL3Matrix (soil/water): WATER Lab Sample ID: BT82817Level (low/med): LOW Date Received: 3/20/2003% Solids: 0.0Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
57-12-5	Cyanide	10.000	U		AS

Color Before: Brown Clarity Before: Opaque Texture: _____Color After: White Clarity After: Opaque Artifacts: _____Comments: _____

USEPA - CLP
1A-IN
INORGANIC ANALYSIS DATA SHEET

013

EPA SAMPLE NO.

MY0SL9

Lab Name: Bonner Analytical Testing Contract: 68W02067
Lab Code: BONNER Case No.: 31520 NRAS No.: _____ SDG NO.: MY0SL3
Matrix (soil/water): WATER Lab Sample ID: BT82818
Level (low/med): LOW Date Received: 3/20/2003
% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
57-12-5	Cyanide	10.000	U		AS

Color Before: Colorless Clarity Before: Clear Texture: _____
Color After: Colorless Clarity After: Clear Artifacts: _____

Comments:

1A-IN

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MY0SM0

Lab Name: Bonner Analytical Testing Contract: 68W02067Lab Code: BONNER Case No.: 31520 NRAS No.: _____ SDG NO.: MY0SL3Matrix (soil/water): WATER Lab Sample ID: BT82819Level (low/med): LOW Date Received: 3/20/2003% Solids: 0.0Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
57-12-5	Cyanide	10.000	U		AS

Color Before: Brown Clarity Before: Opaque Texture: _____Color After: Brown Clarity After: Opaque Artifacts: _____Comments: _____

2A-IN

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Bonner Analytical Testing Company Contract: 68W02067Lab Code: BONNER Case No.: 31520 NRAS No.: _____ SDG NO.: MY0SL3Initial Calibration Verification Source: EPAContinuing Calibration Verification Source: ERA

Concentration Units: ug/L

Analyte	Initial Calibration Verification			Continuing Calibration Verification					
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	M
Cyanide	99.0	98.77	100	250.0	254.07	102	253.90	102	AS

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

2A-IN
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Bonner Analytical Testing Company Contract: 68W02067

Lab Code: BONNER Case No.: 31520 NRAS No.: _____ SDG NO.: MY0SL3

Initial Calibration Verification Source: EPA

Continuing Calibration Verification Source: ERA

Concentration Units: ug/L

Analyte	Initial Calibration Verification			Continuing Calibration Verification					
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	M
Cyanide				250.0	254.09	102			AS

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

USEPA - CLP
2B-IN
CRQL CHECK STANDARD

017

Lab Name: Bonner Analytical Testing Contract: 68W02067

Lab Code: BONNER Case No.: 31520 NRAS No.: _____ SDG No.: MY0SL3

CRQL Check Standard Source: _____

Concentration Units: ug/L

Analyte	CRQL Check Standard				
	Initial			Final	
	True	Found*	%R (1)	Found*	%R (1)
Cyanide	10.0	7.94 J	79	9.13 J	91

(1) Control Limits: 70-130 with the following exceptions:

ICP-AES - Antimony, Lead, and Thallium: 50-150

ICP-MS - Cobalt, Manganese, and Zinc: 50-150

* if applicable, enter the concentration qualifier "J" or "U" after the concentration in these columns (e.g., 0.20U for Mercury)

3-IN

BLANKS

Lab Name: Bonner Analytical Testing Comp Contract: 68W02067Lab Code: BONNER Case No.: 31520 NRAS No.: _____ SDG NO.: MY0SL3Preparation Blank Matrix (soil/water): WATERPreparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank		
		C	1	C	2	C	3	C		C	
Cyanide	-2.9	J	-2.8	J	-2.2	J	10.0	U	-2.260	J	AS

USEPA - CLP

5A-IN

MATRIX SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

MY0SM0S

Lab Name: Bonner Analytical TestingContract: 68W02067Lab Code: BONNERCase No.: 31520

NRAS No.: _____

SDG NO.: MY0SL3Matrix (soil/water): WATERLevel (low/med): LOW% Solids for Sample: 0.0Concentration Units (ug/L or mg/kg dry weight): UG/L

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Cyanide	75 - 125	107.6900		10.0000	U	100.00	108		AS

Comments:

6-IN
DUPLICATES

EPA SAMPLE NO.

MYOSMOD

Lab Name: Bonner Analytical TestingContract: 68W02067Lab Code: BONNER Case No.: 31520NRAS No.: _____ SDG NO. MY0SL3Matrix (soil/water): WATERLevel (low/med): LOW% Solids for Sample: 0.0% Solids for Duplicate: 0.0Concentration Units: (ug/L or mg/kg dry weight): UG/L

Analyte	Control Limit	Sample (S) C	Duplicate (D) C	RPD	Q	M
Cyanide		10.0000 U	10.0000 U			AS

USEPA - CLP

9-IN

METHOD DETECTION LIMITS (ANNUALLY)

Lab Name: Bonner Analytical Testing Contract: 68W02067

Lab Code: BONNER Case No.: 31520 NRAS No.: SDG NO.: MY0SL3

Instrument Type: AS Instrument ID: Astoria01 Date: 11/22/2002

Preparation Method: DW2

Concentration Units (ug/L or mg/kg): UG/L

Analyte	Wave-Length /Mass	CRQL	MDL
Cyanide	578.00	10	2.00

12-IN
PREPARATION LOGLab Name: Bonner Analytical TestingContract: 68W02067Lab Code: BONNERCase No.: 31520

NRAS No.: _____

SDG NO.: MY0SL3Preparation Method: DW2

EPA Sample No.	Preparation Date	Weight (gram)	Volume (mL)
ICV01	3/21/2003		50
MIDRANGE250	3/21/2003		50
PBW01	3/21/2003		50
MY0SL3	3/21/2003		50
MY0SL4	3/21/2003		50
MY0SL6	3/21/2003		50
MY0SL7	3/21/2003		50
MY0SL8	3/21/2003		50
MY0SL9	3/21/2003		50
MY0SM0	3/21/2003		50
MY0SM0D	3/21/2003		50
MY0SM0S	3/21/2003		50

Comments: _____

13-IN

ANALYSIS RUN LOG

Lab Name: Bonner Analytical Testing CompanyContract: 68W02067Lab Code: BONNERCase No.: 31520NRAS No.: SDG No.: MY0SL3Instrument ID: Astoria01Analysis Method: ASStart Date: 3/21/2003End Date: 3/21/2003

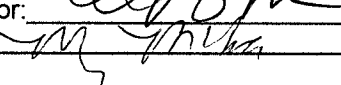
EPA Sample NO.	D/F	Time	Analytes																					
			A L	S B	A S	B A	B E	C D	C A	C R	C O	C U	F E	P B	M G	M N	H G	N I	K E	S E	A G	N A	T L	V
S0	1.00	1727																						X
S5	1.00	1728																						X
S10	1.00	1729																						X
S50	1.00	1730																						X
S100	1.00	1731																						X
S250	1.00	1731																						X
S500	1.00	1732																						X
ICV01	1.00	1733																						X
ICB01	1.00	1734																						X
BASLINE01	1.00	1735																						X
MIDRANGE250	1.00	1736																						X
CRI01	1.00	1737																						X
CCV01	1.00	1738																						X
CCB01	1.00	1739																						X
PBW01	1.00	1740																						X
MY0SL3	1.00	1741																						X
MY0SL4	1.00	1742																						X
MY0SL6	1.00	1742																						X
MY0SL7	1.00	1743																						X
MY0SL8	1.00	1744																						X
MY0SL9	1.00	1745																						X
MY0SM0	1.00	1746																						X
MY0SM0D	1.00	1747																						X
MY0SM0S	1.00	1748																						X
CCV02	1.00	1749																						X
CCB02	1.00	1750																						X
CRI02	1.00	1751																						X
CCV03	1.00	1752																						X
CCB03	1.00	1752																						X

Report for C032103B.ACF [S1]							
Date: 3/21/2003							
Base Configuration: clph20							
Sam#	Cup#	Identifier	Date	Time	Test Name	Volts	CN
1	1	W/1022	3/21/2003	5:24:36 PM	CN ALB	3.3977	4.40
2	2	W/1022	3/21/2003	5:25:31 PM	CN	0.4936	0.49 NP
3	3	W/1022	3/21/2003	5:26:26 PM	CN	0.4849	0.48 NP
4	4	C1/S6	3/21/2003	5:27:21 PM	CN	0.4832	-3.28 NP
5	5	C2/S5	3/21/2003	5:28:16 PM	CN	0.5244	2.02 NP
6	6	C3/S10	3/21/2003	5:29:11 PM	CN	0.5671	7.51 NP
7	7	C4/S50	3/21/2003	5:30:06 PM	CN	0.9585	57.80
8	8	C5/S100	3/21/2003	5:31:01 PM	CN	1.2863	99.91
9	9	C6/S250	3/21/2003	5:31:56 PM	CN	2.4813	253.47
10	10	C7/S500	3/21/2003	5:32:51 PM	CN	4.3812	497.58
		Curve Type					1st Order
		Correlation					0.99975
		Intercept					0.51
		Slope					0.01
11	11	ICV01	3/21/2003	5:33:45 PM	CN	1.2774	98.77
12	12	ICB01	3/21/2003	5:34:40 PM	CN	0.4859	-2.93 NP
13	13	W/Baseline 01	3/21/2003	5:35:35 PM	CN	0.4826	-3.36 NP
14	14	MIDRANGE250	3/21/2003	5:36:30 PM	CN	2.4209	245.70
15	15	CRI01	3/21/2003	5:37:25 PM	CN	0.5705	7.94 NP
16	16	CCV01	3/21/2003	5:38:20 PM	CN	2.4861	254.07
17	17	CCB01	3/21/2003	5:39:15 PM	CN	0.4873	-2.75 NP
18	18	PBW032103B/01	3/21/2003	5:40:10 PM	CN	0.4911	-2.26 NP
19	19	MY0SL3	3/21/2003	5:41:05 PM	CN	0.4957	-1.67 NP
20	20	MY0SL4	3/21/2003	5:42:00 PM	CN	0.5007	-1.02 NP
21	21	MY0SL6	3/21/2003	5:42:55 PM	CN	0.4902	-2.38 NP
22	22	MY0SL7	3/21/2003	5:43:50 PM	CN	0.4902	-2.38 NP
23	23	MY0SL8	3/21/2003	5:44:45 PM	CN	0.4926	-2.06 NP
24	24	MY0SL9	3/21/2003	5:45:40 PM	CN	0.4908	-2.30 NP
25	25	MY0SM0	3/21/2003	5:46:35 PM	CN	0.4937	-1.93 NP
26	26	MY0SMOD	3/21/2003	5:47:29 PM	CN	0.4926	-2.06 NP
27	27	MY0SMOS	3/21/2003	5:48:24 PM	CN	1.3468	107.69
28	28	CCV02	3/21/2003	5:49:19 PM	CN	2.4847	253.90
29	29	CCB02	3/21/2003	5:50:14 PM	CN	0.4913	-2.24 NP
30	30	CRI02	3/21/2003	5:51:09 PM	CN	0.5798	9.13 NP
31	31	CCV03	3/21/2003	5:52:04 PM	CN	2.4862	254.09
32	32	CCB03	3/21/2003	5:52:59 PM	CN	0.5013	-0.94 NP
33	33	W/Baseline 02	3/21/2003	5:53:54 PM	CN NA	0.4881	-2.65 NP ALB

REVIEWED

By: 

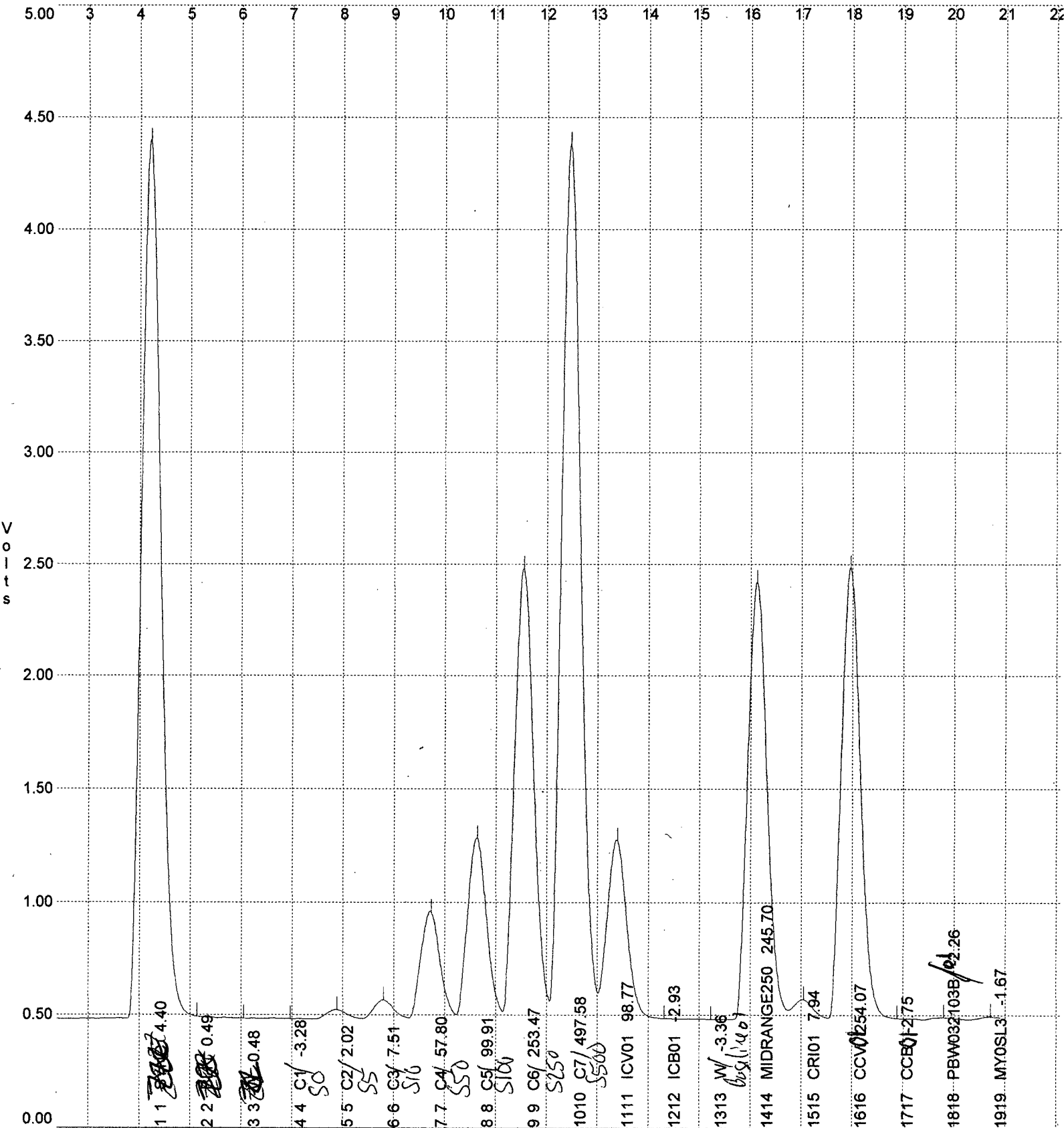
Supervisor: 

Analyst: 

Date: 3/26/03

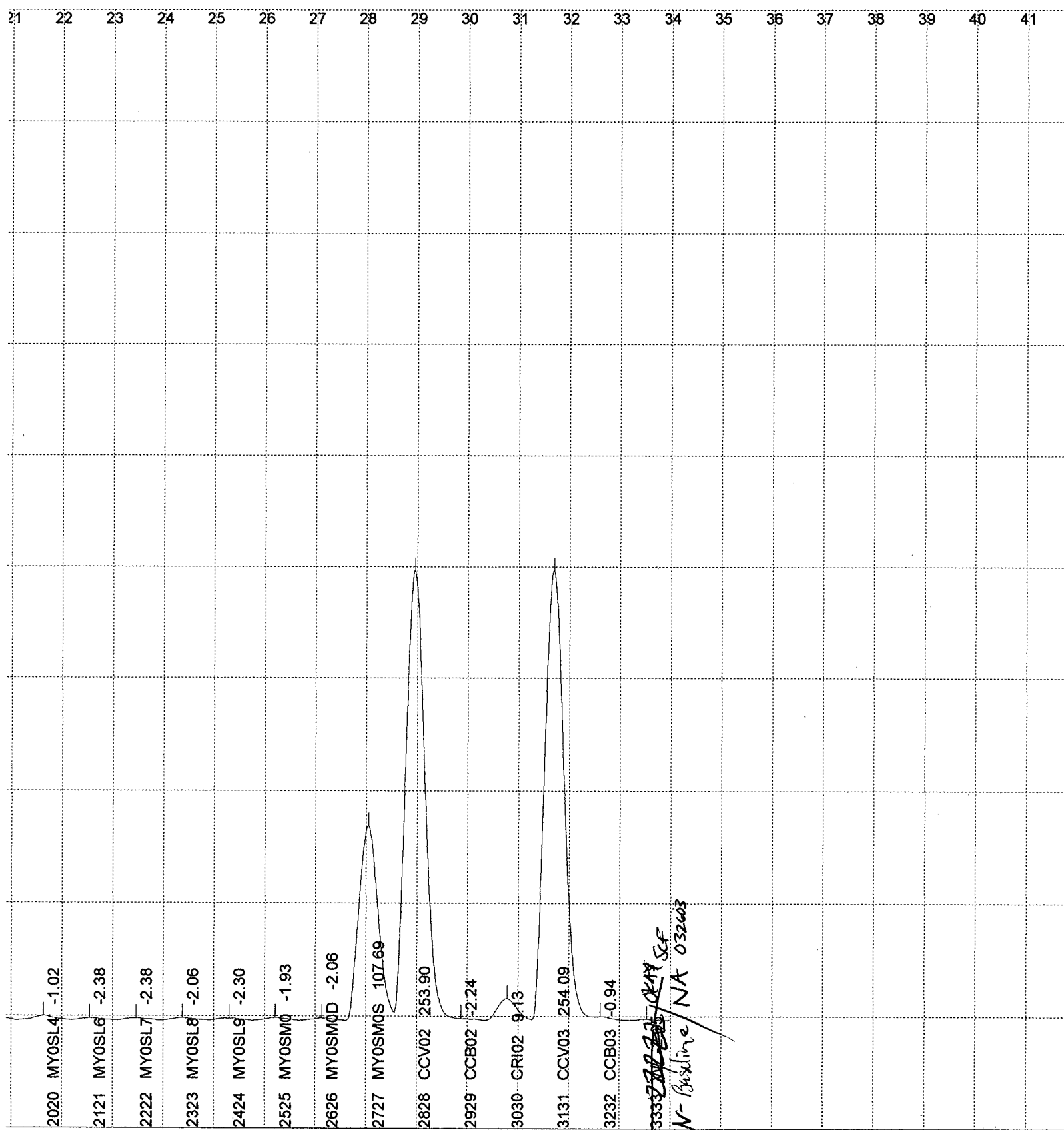
Date: 3-21-03

C:\FASPAC\DATA\C032103B.ACF System 1 Channel 1 [CN]

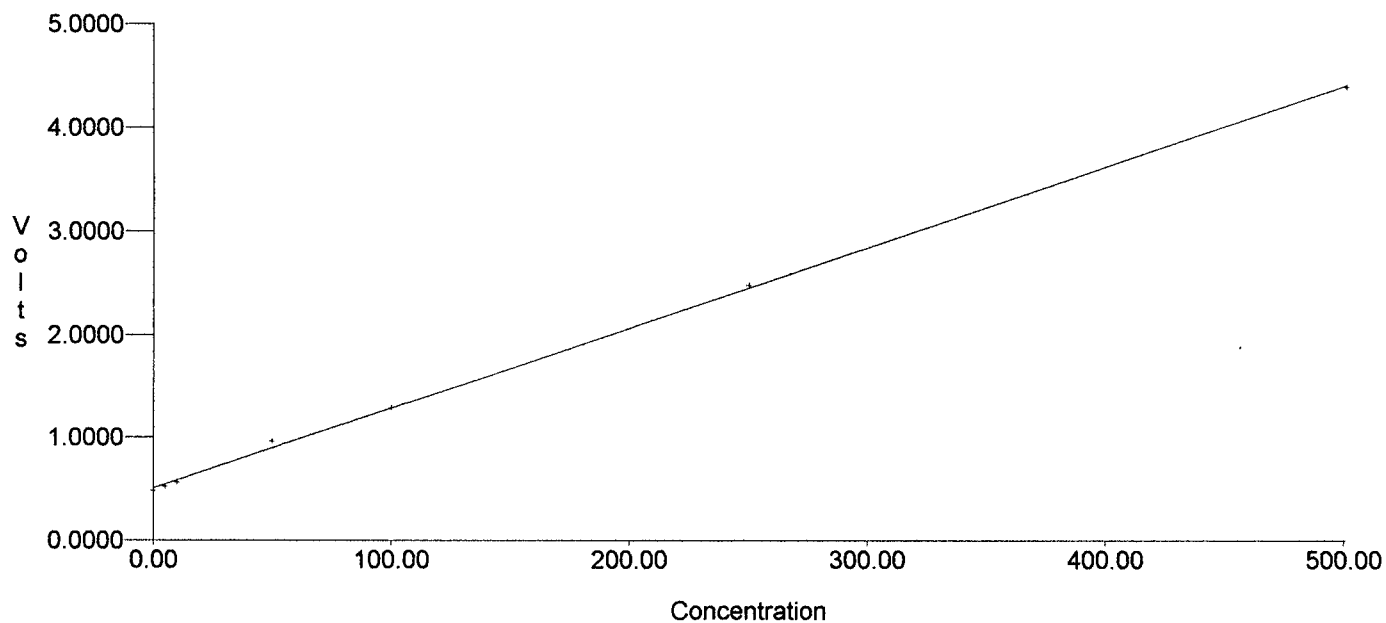


REVIEWED
By: *[Signature]*

C:\FASPAC\DATA\IC032103B.ACF System 1 Channel 1 [CN]



Calibration for CN, file C032103B



1st Order $Y=BX+A$
 $B=0.01$ $A=0.51$
Correlation=0.999746

REVIEWEDBy: 

Bonner Analytical Testing Company
Cyanide Water Sample Preparation

028

SDGNumber: MY0SL3

Batch Number: C032103B

Case Number: 31520

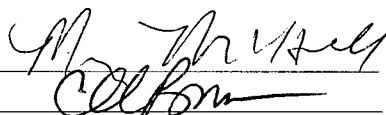
Method: DW2

Lab ID	EPA Sample No	Sample Description	Initial Weight gram	Final Volume ml.	pH	Color Before	Clarity	Color After	Clarity After	Sulfides	Sulfate	Ox. Agent
1	ICV	ICV01	Initial Calibration Verification	50	>12	C	CLR	C	CLR	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2	MIDRANGE	MIDRANGE 153	Midrange Standard	50	>12	C	CLR	C	CLR	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3	PBW032103B	PBW01	Preparation Blank - Water	50	>12	C	CLR	C	CLR	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4	LCSW	LCSW	Laboratory Control Standard - Water	NA	50	>12				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5	BT82813	MY0SL3	MY0SL3	50	>12	B	OPQ	W	OPQ	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6	BT82814	MY0SL4	MY0SL4	50	>12	B	OPQ	W	OPQ	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7	BT82815	MY0SL6	MY0SL6	50	>12	C	CLR	C	CLR	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8	BT82816	MY0SL7	MY0SL7	50	>12	C	CLR	C	CLR	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9	BT82817	MY0SL8	MY0SL8	50	>12	B	OPQ	W	OPQ	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10	BT82818	MY0SL9	MY0SL9	50	>12	C	CLR	C	CLR	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
11	BT82819	MY0SM0	MY0SM0	50	>12	B	OPQ	B	OPQ	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12	BT82819D	MY0SM0D	MY0SM0D	50	>12	B	OPQ	B	OPQ	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
13	BT82819S	MY0SM0S	MY0SM0S	50	>12	B	OPQ	B	OPQ	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
14			50	50	>12					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
15			50	50	>12					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
16			50	50	>12					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
17			50	50	>12					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
18			50	50	>12					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
19			50	50	>12					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
20			50	50	>12					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
21			50	50	>12					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
22			50	50	>12					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
23			50	50	>12					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
24			50	50	>12					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

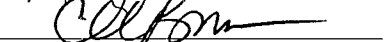
REVIEWED

By: 

Analyst 1:



Supervisor 1:



Date:

3-21-03

Date:

3/28 3/26/03

Bonner Analytical Testing Company
Cyanide Water Sample Preparation

029

SDG Number: MY0SL3

Batch Number: 032103B

Case Number: 31520

Method: DW2

Reagent	Concentration	Reagent ID	Vendor
Sodium Hydroxide	0.25 N	BA -032003	Working Standard
Sulfuric Acid	18.0 N	BA -030303	Working Standard
Magnesium Chloride		BA -030303	Working Standard
Sulfamic Acid	na	BA -na	Working Standard
Lead Carbonate	Neat	na	na
Ascorbic Acid	Neat	na	na
Deionized Waer		Inhouse	BATCO

Standard	Vendor Standard	Lot Number	Concentration	Amt Spike
Initial Calibration Verification	EPA	0400	9900 ppb	0.5 mL
Laboratory Control Standard	NA	NA	NA	NA
Matrix Spike	ERA	03122	1000 ppm	0.005 mL
Midrange Standard	ERA	03122	1000 ppm	0.0125 ppm

	Start of Run	End of Run	Start of Run	End of Run	Start of Run	End of Run	Start of Run	End of Run
Midi-Distillation:	02		03					
Temperature:	125	125	125	125	0	0	0	0
Time:	11:00	12:30	12:35	2:05				

Comments:

REVIEWED
 By: 

Analyst 1: 
 Supervisor 1: 

Date: 3.21.03
 Date: 3/26/03

COPY

ORIGINAL IN CSF: MY05K8

Signature:

Garnier Ruelas

NO POUCH NEEDED.
See back for peel and stick application instructions.

200

FedEx USA Airbill
ExpressFedEx
Tracking
Number

8358 5942 6468

1 From This portion can be removed for Recipient's records.

Date 3/18/05 FedEx Tracking Number 835859426468

Sender's Name Amanda K. Cohen Phone 818 382-1800

Company WESTON SOLUTIONS INC

Address 14724 VENTURA BLVD STE 1000

City SHERMAN OAKS State CA ZIP 91403

2 Your Internal Billing Reference 20074.025.066.0004

3 To Recipient's Name Chris Banner Phone 601 264-2854

Company Banner Analytical

Address 2703 Oak Grove Rd.

To "HOLD" at FedEx location, print FedEx address. We cannot deliver to P.O. boxes or P.O. ZIP codes.

Address _____

City Hattiesburg State MS ZIP 39402



Form I.D. No. **0215** Recipient's Copy

4a Express Package Service

☒ FedEx Priority Overnight Next business morning ☐ FedEx Standard Overnight Next business afternoon ☐ FedEx First Overnight Earliest next business morning delivery to select locations

☐ FedEx 2Day Second business day FedEx Envelope rate not available. Minimum charge: One-pound rate ☐ FedEx Express Saver Third business day

4b Express Freight Service

☐ FedEx 1Day Freight* Next business day ☐ FedEx 2Day Freight Second business day ☐ FedEx 3Day Freight Third business day

* Call for Confirmation: _____ * Declared value limit \$500

5 Packaging

☐ FedEx Envelope* ☐ FedEx Pak* Includes FedEx Small Pak, FedEx Large Pak, and FedEx Sturdy Pak ☒ Other

6 Special Handling

☐ SATURDAY Delivery Available only for FedEx Priority Overnight and FedEx 2Day to select ZIP codes ☐ HOLD Weekday at FedEx Location Not available for FedEx First Overnight ☐ HOLD Saturday at FedEx Location Available only for FedEx Priority Overnight and FedEx 2Day to select locations

Does this shipment contain dangerous goods? One box must be checked.

☒ No ☐ Yes Shipper's Declaration required ☐ Yes Shipper's Declaration not required ☐ Dry Ice Dry Ice, 9, UN 1845 x _____ kg ☐ Cargo Aircraft Only

Dangerous Goods (including Dry Ice) cannot be shipped in FedEx packaging.

7 Payment Bill to: Enter FedEx Acct. No. or Credit Card No. below. Obtain Recip. Acct. No. ☐

☒ Sender Acct. No. in Section 3 will be billed. ☐ Recipient ☐ Third Party ☐ Credit Card ☐ Cash/Check

Total Packages 1 Total Weight 31 Total Charges _____

Our liability is limited to \$100 unless you declare a higher value. See the FedEx Service Guide for details.

8 Release Signature Sign to authorize delivery without obtaining signature.

By signing you authorize us to deliver this shipment without obtaining a signature and agree to indemnify and hold us harmless from any resulting claims.

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447


0224449423

030

031

 UNITED STATES ENVIRONMENTAL PROTECTION AGENCY OFFICIAL SAMPLE SEAL	SAMPLE NO.	DATE 3-19-03	SEAL BROKEN BY	DATE
	SIGNATURE <i>Anitra Rice</i>			
	PRINT NAME AND TITLE (Inspector, Analyst or Technician)			

EPA FORM
7500-2(R7-75)

 UNITED STATES ENVIRONMENTAL PROTECTION AGENCY OFFICIAL SAMPLE SEAL	SAMPLE NO.	DATE 3-19-03	SEAL BROKEN BY	DATE
	SIGNATURE <i>Anitra Rice</i>			
	PRINT NAME AND TITLE (Inspector, Analyst or Technician)			

EPA FORM
7500-2(R7-75)

Express

FedEx

emp# 54017 19MAR03

PRIORITY OVERNIGHT

THU

Deliver By:

20MAR03

AA

Ph TRK# 8358 5942 6468 FORM 0215

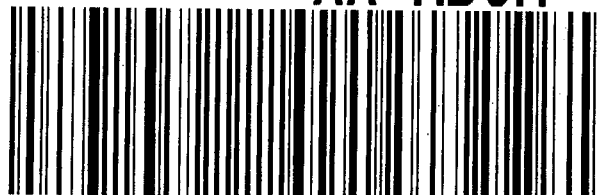
MSY

39402 -MS -US

XX HBCA

ir No.

t Add



DE

COPY

ORIGINAL IN CSI: MYOSKE

Signature: *Javier Rios*

200

FedEx. USA Airbill
ExpressFedEx
Tracking
Number

8358 5942 6527

1 From This portion can be removed for Recipient's records.Date 3/20/03 FedEx Tracking Number 835859426527-4Sender's Name Anitra Rice Phone 818 382-1800Company WESTON SOLUTIONS INCAddress 14724 VENTURA BLVD STE 1000

Dept./Floor/Suite/Room

City SHERMAN OAKS State CA ZIP 91403**2 Your Internal Billing Reference** 20074.025.066.0004**3 To**
Recipient's Name Chris Bonner Phone 601 264-2854Company Bonner Analytical Testing Co.Address 2703 Oak Grove Rd.

To "HOLD" at FedEx location, print FedEx address.

We cannot deliver to P.O. boxes or P.O. ZIP codes.

Address

Dept./Floor/Suite/Room

City Hattiesburg State MS ZIP 39402NO POUCH NEEDED.
See back for peel and stick application instructions.

RECIPIENT: PEEL HERE

Form
I.D. No.

0215

Recipient's Copy

4a Express Package Service

Packages up to 150 lbs.

Delivery commitment may be later in some areas.

☒ FedEx Priority Overnight
Next business morning☐ FedEx Standard Overnight
Next business afternoon☐ FedEx First Overnight
Earliest next business morning
delivery to select locations☐ FedEx 2Day
Second business day☐ FedEx Express Saver
Third business day

FedEx Envelope rate not available. Minimum charge: One-pound rate

4b Express Freight Service

Packages over 150 lbs.

Delivery commitment may be later in some areas.

☐ FedEx 1Day Freight*
Next business day☐ FedEx 2Day Freight
Second business day☐ FedEx 3Day Freight
Third business day

* Call for Confirmation:

5 Packaging

* Declared value limit \$500

☐ FedEx Envelope*☐ FedEx Pak*
Includes FedEx Small Pak, FedEx
Large Pak, and FedEx Sturdy Pak☒ Other**6 Special Handling**

Include FedEx address in Section 3.

☐ SATURDAY Delivery
Available only for FedEx Priority
Overnight and FedEx 2Day
to select ZIP codes☐ HOLD Weekday
at FedEx Location
Not available for
FedEx First Overnight☐ HOLD Saturday
at FedEx Location
Available only for
FedEx Priority Overnight
and FedEx 2Day to
select locations

Does this shipment contain dangerous goods?

☒ No ☐ Yes
As per attached
Shipper's Declaration☐ Yes
Shipper's Declaration
not required☐ Dry Ice
Dry Ice, 9, UN 1845 _____ x _____ kg

Dangerous Goods (including Dry Ice) cannot be shipped in FedEx packaging.

☐ Cargo Aircraft Only**7 Payment** Bill to:☒ Sender
Acct. No. in Section
1 will be billed.☐ Recipient☐ Third Party☐ Credit CardObtain Recip.
Acct. No.
☐ Cash/Check

Total Packages

Total Weight

Total Charges

*Our liability is limited to \$100 unless you declare a higher value. See the FedEx Service Guide for details.


8 Release Signature

Sign to authorize delivery without obtaining signature.

By signing you authorize us to deliver this shipment without obtaining a signature
and agree to indemnify and hold us harmless from any resulting claims.Questions? Visit our Web site at fedex.com
or call 1.800.Go.FedEx® 800.463.3339.

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447

 **UNITED STATES ENVIRONMENTAL PROTECTION AGENCY**
OFFICIAL SAMPLE SEAL

SAMPLE NO. _____

SIGNATURE *Antonia Rice* DATE *3/20/03*

PRINT NAME AND TITLE (Inspector, Analyst or Technician)

SEAL BROKEN BY _____ DATE _____

EPA FORM 7500-2(R7-75)

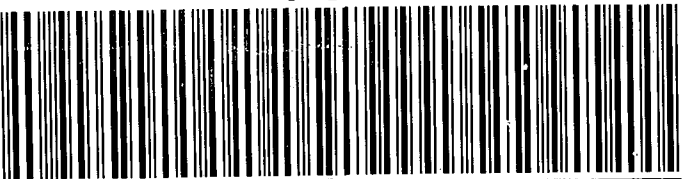
FedEx **PRIORITY OVERNIGHT** **FRI**

emp# 49434 20MAR03 Deliver By: **21MAR03**

TRK# **8358 5942 6527** FORM 0215 **AA**

39402 -MS-US **MSY**

XX HBGA



File Number	Project Number	Login Date	Sample Identification	
BT2791	00532	10/23/03	CLP Case 31520 SDG MYOSK8	Flow
BT2792	00532	10/23/03	CLP Case 31520 SDG MYOSK8	"
BT2793	00532	10/23/03	CLP Case 31520 SDG MYOSK8	CB
BT2794	00532	10/23/03	CLP Case 31520 SDG MYOSK8	PCBs Pb
BT2795	00532	10/23/03	CLP Case 31520 SDG MYOSK8	OS
BT2796	00532	10/23/03	CLP Case 31520 SDG MYOSK8	
BT2797	00532	10/23/03	CLP Case 31520 SDG MYOSK8	
BT2798	00532	10/23/03	CLP Case 31520 SDG MYOSK8	
BT2799	00532	10/23/03	CLP Case 31520 SDG MYOSK8	
BT2800	00532	10/23/03	CLP Case 31520 SDG MYOSK8	
BT2801	00532	10/23/03	CLP Case 31520 SDG MYOSK8	
BT2802	00532	10/23/03	CLP Case 31520 SDG MYOSK8	
BT2803	00532	10/23/03	CLP Case 31520 SDG MYOSK8	
BT2804	00532	10/23/03	CLP Case 31520 SDG MYOSK8	
BT2805	00532	10/23/03	CLP Case 31520 SDG MYOSK8	
BT2806	00532	10/23/03	CLP Case 31520 SDG MYOSK8	
BT2807	00532	10/23/03	CLP Case 31520 SDG MYOSK8	
BT2808			CLP Case 31520 SDG MYOSK8 Sample MYOSK8	CN soil
BT2809			MYOSK9	
BT2810			MYOSL0 (or)	
BT2811			MYOSL1	
BT2812			MYOSL2	
BT2813			MYOSL3	water
BT2814			MYOSL4	
BT2815			MYOSL6	
BT2816			MYOSL7	
BT2817			MYOSL8	
BT2818			MYOSL9	
BT2819			MYOSMO	

SAMPLE RECEIPT FORM

035 5079

Client:

CLP

Date:

3-20-03

Sample Description:

water

SDG#:

MY0SL3

Case#:

31520

1) Does this project fall under NPDES, RCRA, <u>CLP</u> , Litigation or other EPA guidelines.	NA	<input checked="" type="radio"/> YES	NO
2) Did Cooler come with <u>airbill/sticker</u> ? Circle carrier: UPS, FedEx, other: _____ If YES, enter airbill number here: <u>835859426468</u>	NA	<input checked="" type="radio"/> YES	NO
3) Are custody seals on the outside of the cooler intact? Custody Seal#: <u>N/A</u>	NA	<input checked="" type="radio"/> YES	NO
Custody Seal#: <u>N/A</u> Custody Seal#: _____	NA	<input checked="" type="radio"/> YES	NO
4) Are all bottles sealed in separate plastic bags?	NA	<input checked="" type="radio"/> YES	NO
5) Are samples requiring no headspace, headspace free?	<input checked="" type="radio"/> NA	<input type="radio"/> YES	<input type="radio"/> NO
6) Packing Material: <u>Bubblewrap</u> , peanuts, vermiculite, other: <u>ice</u>		<input checked="" type="radio"/> YES	<input type="radio"/> NO
7) Are chains of custody filled out properly? (ink, signed, dates, etc.)		<input checked="" type="radio"/> YES	<input type="radio"/> NO
8) Are all bottle labels complete and agree with COC? (ID, time, date, preservation?)		<input checked="" type="radio"/> YES	<input type="radio"/> NO
9) Were all bottles received intact?		<input checked="" type="radio"/> YES	<input type="radio"/> NO
10) Were correct containers used for the tests indicated? Who's: BATCO <u>Client</u>		<input checked="" type="radio"/> YES	<input type="radio"/> NO
11) Was a sufficient aliquot of sample sent for tests indicated?		<input checked="" type="radio"/> YES	<input type="radio"/> NO
12) Are samples within holding times for requested analysis?		<input checked="" type="radio"/> YES	<input type="radio"/> NO

13) Sample Preservation?

A) If samples were collected within 6 hours of receipt, has chilling begun?

NA	<input type="radio"/> YES	<input type="radio"/> NO
----	---------------------------	--------------------------

B) If samples were received beyond 6 hours of collection:

NA	<input checked="" type="radio"/> YES	<input type="radio"/> NO
----	--------------------------------------	--------------------------

1) Is there a temperature blank?

NA	<input checked="" type="radio"/> YES	<input type="radio"/> NO
----	--------------------------------------	--------------------------

2) If Yes, are samples received at 4°C?

NA	<input checked="" type="radio"/> YES	<input type="radio"/> NO
----	--------------------------------------	--------------------------

3) If No, are samples on ice?

NA	<input type="radio"/> YES	<input type="radio"/> NO
----	---------------------------	--------------------------

4) Temperature? 2.5°C

C) Have samples been checked for correct preservation?

NA	<input checked="" type="radio"/> YES	<input type="radio"/> NO
----	--------------------------------------	--------------------------

1) If sample/s doesn't meet preservation, list deviation?

14) Describe "NO" items for the above if # 1) response is NA or YES

Is there a Corrective Action and/or Client Contact form attached?

YES	<input checked="" type="radio"/> NO
-----	-------------------------------------

Signature: _____

Whiter

Rev No. 1.3

Date: 09/23/02

SAMPLE RECEIPT FORM

036 5084

Client: CUP

Date: 3-21-03

Sample Description: water

SDG#: MY05L3

Case#: 31520

1) Does this project fall under NPDES, RCRA, <u>CLP</u> , litigation or other EPA guidelines.	NA	<u>YES</u>	NO
2) Did Cooler come with <u>airbill/sticker</u> ? Circle carrier: UPS, <u>FedEx</u> , other: _____ If YES, enter airbill number here: <u>835859426527</u>	NA	<u>YES</u>	NO
3) Are custody seals on the outside of the cooler intact? Custody Seal#: <u>N/A</u>	NA	<u>YES</u>	NO
Custody Seal#: _____ Custody Seal#: _____	<u>NA</u>	YES	NO
4) Are all bottles sealed in separate plastic bags?	NA	<u>YES</u>	NO
5) Are samples requiring no headspace, headspace free?	<u>NA</u>	YES	NO
6) Packing Material: <u>Bubblewrap</u> , peanuts, vermiculite, other: <u>ice</u>		<u>YES</u>	NO
7) Are chains of custody filled out properly? (ink, signed, dates, etc.)		<u>YES</u>	NO
8) Are all bottle labels complete and agree with COC? (ID, time, date, preservation?)		<u>YES</u>	NO
9) Were all bottles received intact?		<u>YES</u>	NO
10) Were correct containers used for the tests indicated? Who's: BATCO/ <u>Client</u>		<u>YES</u>	NO
11) Was a sufficient aliquot of sample sent for tests indicated?		<u>YES</u>	NO
12) Are samples within holding times for requested analysis?		<u>YES</u>	NO
13) Sample Preservation?			
A) If samples were collected within 6 hours of receipt, has chilling begun?	NA	YES	NO
B) If samples were received beyond 6 hours of collection:	NA	<u>YES</u>	NO
1) Is there a temperature blank?	NA	<u>YES</u>	NO
2) If Yes, are samples received at 4°C?	NA	<u>YES</u>	NO
3) If No, are samples on ice?	NA	<u>YES</u>	NO
4) Temperature? <u>2.5°C</u>			
C) Have samples been checked for correct preservation?	NA	<u>YES</u>	NO
1) If sample/s doesn't meet preservation, list deviation?			
<div style="border-bottom: 1px solid black; height: 15px; width: 100%;"></div> <div style="border-bottom: 1px solid black; height: 15px; width: 100%;"></div>			
14) Describe "NO" items for the above if # 1) response is NA or YES			
<div style="border-bottom: 1px solid black; height: 15px; width: 100%;"></div> <div style="border-bottom: 1px solid black; height: 15px; width: 100%;"></div>			
Is there a Corrective Action and/or Client Contact form attached?			YES <u>NO</u>
Signature: <u>[Signature]</u>			

Rev No. 1.3

Date: 09/23/02

BONNER Scheduling Notification Form for the week of 03/17/03

Contract #: 68W02067 ILM05.2					Cost Lot/ DO #: A / 1		Base Price: 72.00	
Reg	Case	Samples Scheduled			Method	TA	Fax # for PR Special Requirements / Comments	
		No.	Matrix	Analyses				
5	31511	2	Water	ICP Metals/CN	ICP-AES	21	Not required	
9	31520	4	Soil	CN	ICP-AES	21	Not required	
9	31520	4	Water	CN	ICP-AES	21	Not required	

Key				
Ag - Silver	Ca - Calcium	Fe - Iron	Ni - Nickel	Se - Selenium
Al - Aluminum	Cd - Cadmium	Hg - Mercury	Pb - Lead	Tl - Thallium
As - Arsenic	CN - Cyanide	K - Potassium	PEST - Pesticides	V - Vanadium
Ba - Barium	Co - Cobalt	Mg - Magnesium	PR - Preliminary Results	VOA - Volatiles
Be - Beryllium	Cr - Chromium	Mn - Manganese	Sb - Antimony	Zn - Zinc
BNA - Semivolatiles	Cu - Copper	Na - Sodium	ILM04.1 Analyses	
ICP Metals - TAL Metals without Mercury (Hg)			TM - Total Metals	CN - Cyanide
Filtered - Samples are filtered in the field			DM - Dissolved Metals	

Coordinator	Regions	Telephone	Email
Heather Bauer	1 and 2	703-264-9348	heather.bauer@dyncorp.com
Jessica Brown	4, 5, 8	703-264-9349	jessica.brown@dyncorp.com
Adam Carscadden	6 and 7	703-264-9512	adam.carscadden@dyncorp.com
Carolyn Mack	10 and QBs	703-264-9323	carolyn.mack@dyncorp.com
Holly Sturdavant	3 and 9	703-264-9526	holly.sturdavant@dyncorp.com

SMO Preliminary Results

1) FAX to CCS at (703) 715-4820

2) Email in PDF format to either:

Eloise Danganan at eloise.danganan@dyncorp.com

Christian Jose at christian.jose@dyncorp.com

Please create separate SDGs for each subset of metals requested.

Unless indicated, Mercury (Hg) analysis is not required.

BONNER SHIPPING NOTIFICATION FORM

Program: ILM05.2 ICP-AES										
Reg	Case Number	Date Shipped	Airbill Number	Samples Shipped No.	Matrix	Analysis	Sampling Method	TA	Fax Number for Preliminary Results	Case Complete
9	31520	3/19/2003	835859426468	5	Soil	CN	N/A	21	Not Required	Yes
9	31520	3/19/2003	835859426468	4	Water	CN	N/A	21	Not Required	Yes
9	31520	3/20/2003	835859426527	3	Water	CN	N/A	21	Not Required	Yes

Lab should verify all sample shipments and determine whether the TR/COCs received match shipping and scheduling information that is provided by SMO. Call your SMO coordinator if there is a problem with the information above.

For ILM05.2 samples:

- 1) Please create separate SDGs for each subset of TAL Metals requested.**
- 2) Unless indicated, Mercury (Hg) analysis is not required.**

Key				
Ag - Silver	BNA - Semivolatiles	Cu - Copper	Na - Sodium	Se - Selenium
Al - Aluminum	Ca - Calcium	Fe - Iron	Ni - Nickel	Tl - Thallium
Sb - Antimony	Cd - Cadmium	Hg - Mercury	Pb - Lead	V - Vanadium
As - Arsenic	CN - Cyanide	K - Potassium	PEST - Pesticides	VOA - Volatiles
Ba - Barium	Co - Cobalt	Mg - Magnesium	PR - Preliminary Results	Zn - Zinc
Be - Beryllium	Cr - Chromium	Mn - Manganese		
ICP Metals - TAL Metals without Mercury (Hg)				
Filtered - Samples have been filtered in the field				
ILM04.1 Analyses TM - Total Metals CN - Cyanide DM - Dissolved Metals				

Coordinator	Regions	Telephone	Email
Heather Bauer	1 and 2	703-264-9348	heather.bauer@dyncorp.com
Jessica Brown	4, 5, 8	703-264-9349	Jessica.brown@dyncorp.com
Adam Carscadden	6 and 7	703-264-9512	adam.carscadden@dyncorp.com
Carolyn Mack	10 and QBs	703-264-9323	carolyn.mack@dyncorp.com
Holly Sturdavant	3 and 9	703-264-9526	holly.sturdavant@dyncorp.com
CCS FAX Number for preliminary result is (703) 715-4820			
CCS Secondary Fax Number for preliminary result is (703) 264-9236			

Case is Complete



Contract Laboratory Program

Sample Delivery Group (SDG) Cover Sheet

SDG Number MYOSL3

• ICP-AES Analysis

• ICP-MS Analysis

Laboratory Name Bonner Analytical Testing Laboratory Code BONNERContract No. 68W02067 Case No. 31520Analysis Price \$72⁰⁰ SDG Turnaround 21 days

USEPA Sample Numbers in SDG (Listed in Numerical Order)

1) MYOSL3	7) MYOSMO	13) _____	19) _____
2) MYOSL4	8) _____	14) _____	20) _____
3) MYOSL6	9) _____	15) _____	21) _____
4) MYOSL7	10) _____	16) _____	22) _____
5) MYOSL8	11) _____	17) _____	23) _____
6) MYOSL9	12) _____	18) _____	24) _____

3-21-03

First Sample in SDG

MYOSL3

Last Sample in SDG

MYOSMO

First Sample Receipt Date

3-20-03

Last Sample Receipt Date

3-21-03

Note: There are a maximum of 20 **field** samples (excluding PE samples) in an SDG. Attach the TR/COC Records to this form in alphanumeric order (the order listed above on this form).

 Signature Chaurie Rinker Date 3-21-03

040

FedEx USA Airbill
Express
FedEx
Tracking
Number

8390 8653 1294

1 From Please print and press hard.Date **3-21-03** Sender's FedEx Account Number **1084-5665-5**Sender's Name **Mike Bonner** Phone **(601) 264-2854**Company **BONNER ANALYTICAL TESTING COM**Address **2703 OAK GROVE RD**

Dept./Floor/Suite/Room

City **HATTIESBURG** State **MS** ZIP **39402-8946****2 Your Internal Billing Reference**First 24 characters will appear on invoice.**resubmittal MBOHB7 + SDG cover**
MYOSK8, MYOSL3**3 To**Recipient's Name **SMD Mailroom** Phone **(703) 7154416**Company **Dyncorp**Address **2000 Edmund Halley Dr** **5th Floor**City **Reston** State **VA** ZIP **20191-3400**City **Reston** State **VA** ZIP **20191-3400**Try online shipping at fedex.com

By using this Airbill you agree to the service conditions on the back of this Airbill and in our current Service Guide, including terms that limit our liability.

Questions? Visit our Web site at fedex.com
or call 1.800.Go.FedEx® 800.463.3339.

0236717246

MUR22

Form ID No. **0215**

Sender's Copy

4a Express Package Service**Packages up to 150 lbs.**
Delivery commitment may be later in some areas.
☒ FedEx Priority Overnight Next business morning
☐ FedEx Standard Overnight Next business afternoon
☐ FedEx First Overnight Earliest next business morning delivery to select locations
☐ FedEx 2Day Second business day
☐ FedEx Express Saver Third business day
FedEx Envelope rate not available. Minimum charge: One-pound rate**4b Express Freight Service****Packages over 150 lbs.**
Delivery commitment may be later in some areas.
☐ FedEx 1Day Freight* Next business day
☐ FedEx 2Day Freight Second business day
☐ FedEx 3Day Freight Third business day

* Call for Confirmation:

5 Packaging

* Declared value limit \$500

☒ FedEx Envelope*
 ☐ FedEx Pak* Includes FedEx Small Pak, FedEx Large Pak, and FedEx Sturdy Pak
☐ Other
6 Special Handling

Include FedEx address in Section 3.

☐ **SATURDAY Delivery**
Available ONLY for FedEx Priority Overnight and FedEx 2Day to select ZIP codes
☐ **HOLD Weekday at FedEx Location**
NOT Available for FedEx First Overnight
☐ **HOLD Saturday at FedEx Location**
Available ONLY for FedEx Priority Overnight and FedEx 2Day to select locations

Does this shipment contain dangerous goods?

☒ No ☐ Yes As per attached Shipper's Declaration
☐ Yes Shipper's Declaration not required
☐ Dry Ice Dry Ice, 3, UN 1845 x kg
☐ Cargo Aircraft Only
Dangerous Goods (including Dry Ice) cannot be shipped in FedEx packaging.**7 Payment Bill to:**

Enter FedEx Acct. No. or Credit Card No. below.

☒ Sender Acct. No. in Section 1 will be billed.
☐ Recipient
 ☐ Third Party
 ☐ Credit Card
 ☐ Cash/Check

 FedEx Acct. No. Exp. Date
 Credit Card No.

 Total Packages **1** Total Weight **1** Total Declared Value* **\$.00**

*Our liability is limited to \$100 unless you declare a higher value. See back for details.

FedEx Use Only

8 Release Signature

Sign to authorize delivery without obtaining signature.

By signing you authorize us to deliver this shipment without obtaining a signature and agree to indemnify and hold us harmless from any resulting claims.

447

SFF • Rev. Date 4/02 • Part #1576105 • ©1994-2002 FedEx • PRINTED IN U.S.A.

COPY

ORIGINAL IN CSR: MYOSK8

Signature: *Hannie Rinder*

PULL AND RETAIN THIS COPY BEFORE AFFIXING TO THE PACKAGE.

FedEx USA Airbill
Express

 FedEx
Tracking
Number

8358 5942 6480

1 From Please print and press hard.

 Date 3-21-03 Sender's FedEx Account Number 1032-6821-4

 Sender's Name _____ Phone (818) 382-1800

 Company WESTON SOLUTIONS INC

 Address 14724 VENTURA BLVD STE 1000

Dept./Floor/Suite/Room

 City SHERMAN OAKS State CA ZIP 91403
2 Your Internal Billing Reference 20074.025.066.0004

First 24 characters will appear on invoice.

3 To

 Recipient's Name Amanda Cohan Phone (818) 382-1800

 Company WESTON

 Address 14724 Ventura Blvd. 1000

To "HOLD" at FedEx location, print FedEx address.

We cannot deliver to P.O. boxes or P.O. ZIP codes.

Address _____

Dept./Floor/Suite/Room

 City Sherman Oaks State CA ZIP 91403

 Try online shipping at fedex.com

By using this Airbill you agree to the service conditions on the back of this Airbill and in our current Service Guide, including terms that limit our liability.

Questions? Visit our Web site at fedex.com

or call 1.800.Go.FedEx® 800.463.3339.

0224449423

 SLA11
Form I.D. No. **0215**
Sender's Copy

4a Express Package Service
☐ FedEx Priority Overnight
Next business morning

☒ FedEx Standard Overnight
Next business afternoon

 Packages up to 150 lbs.
Delivery commitment may be later in some areas.

☐ FedEx First Overnight
Earliest next business morning
delivery to select locations

☐ FedEx 2Day
Second business day
FedEx Envelope rate not available. Minimum charge: One-pound rate

☐ FedEx Express Saver
Third business day

4b Express Freight Service

 Packages over 150 lbs.
Delivery commitment may be later in some areas.

☐ FedEx 1Day Freight*
Next business day

☐ FedEx 2Day Freight
Second business day

☐ FedEx 3Day Freight
Third business day

* Call for Confirmation.

5 Packaging

* Declared value limit \$500

☐ FedEx Envelope*

☐ FedEx Pak*
Includes FedEx Small Pak, FedEx Large Pak, and FedEx Sturdy Pak

☒ Other

6 Special Handling

Include FedEx address in Section 3.

☐ SATURDAY Delivery
Available ONLY for
FedEx Priority Overnight and
FedEx 2Day to select ZIP codes

☐ HOLD Weekday
at FedEx Location
NOT Available for
FedEx First Overnight

☐ HOLD Saturday
at FedEx Location
Available ONLY for
FedEx Priority Overnight and
FedEx 2Day to select locations

Does this shipment contain dangerous goods?

One box must be checked.

☐ No

☐ Yes
As per attached
Shipper's Declaration
☐ Yes
Shipper's Declaration
not required

☐ Dry Ice

Dry Ice, 9, UN 1845

x kg

Dangerous Goods (including Dry Ice) cannot be shipped in FedEx packaging.

☐ Cargo Aircraft Only

7 Payment Bill to:

Enter FedEx Acct. No. or Credit Card No. below.

☐ Sender
Acct. No. in Section
1 will be billed.

☒ Recipient

☐ Third Party

☐ Credit Card

☐ Cash/Check

 FedEx Acct. No.
Credit Card No.
1032-6821-4Exp.
Date

Total Packages

Total Weight

Total Declared Value†

\$.00

†Our liability is limited to \$100 unless you declare a higher value. See back for details.

FedEx Use Only

8 Release Signature

Sign to authorize delivery without obtaining signature.

By signing you authorize us to deliver this shipment without obtaining a signature and agree to indemnify and hold us harmless from any resulting claims.

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COPY

 ORIGINAL IN CSF: M.YOSKE
Signature: Janie Rinko

PULL AND RETAIN THIS COPY BEFORE AFFIXING TO THE PACKAGE.

FedEx USA Airbill
Express

 FedEx
Tracking
Number

8358 5942 6549

1 From Please print and press hard.

Date 3-21-03

Sender's FedEx
Account Number

1032-6821-4

Sender's
Name

Phone (818) 382-1800

Company WESTON SOLUTIONS INC

Address 14724 VENTURA BLVD STE 1000

Dept./Floor/Suite/Room

City SHERMAN OAKS

State CA

ZIP 91403

2 Your Internal Billing Reference

First 24 characters will appear on invoice.

20074.025.069.0004

3 To

Recipient's
Name

Amanda K. Cohan

Phone

(818) 382-1800

Company

WESTON

Address

14724 Ventura Blvd. 1000

To "HOLD" at FedEx location, print FedEx address.

We cannot deliver to P.O. boxes or P.O. ZIP codes.

Address

Sherman Oaks

State CA

ZIP 91403

Dept./Floor/Suite/Room

 Try online shipping at fedex.com

 By using this Airbill you agree to the service conditions on the back of this Airbill
and in our current Service Guide, including terms that limit our liability.

 Questions? Visit our Web site at fedex.com

or call 1.800.Go.FedEx® 800.463.3339.

0224449423

SLA11

2

Form
I.D. No.

0215

Sender's Copy

4a Express Package Service

Packages up to 150 lbs.

Delivery commitment may be later in some areas.

☐ FedEx Priority Overnight
Next business morning

☐ FedEx Standard Overnight
Next business afternoon

☐ FedEx First Overnight
Earliest next business morning
delivery to select locations

☐ FedEx 2Day
Second business day

☒ FedEx Express Saver
Third business day

FedEx Envelope rate not available. Minimum charge: One-pound rate

4b Express Freight Service

Packages over 150 lbs.

Delivery commitment may be later in some areas.

☐ FedEx 1Day Freight*
Next business day

☐ FedEx 2Day Freight
Second business day

☐ FedEx 3Day Freight
Third business day

* Call for Confirmation:

5 Packaging

☐ FedEx Envelope*

☐ FedEx Pak*

Includes FedEx Small Pak, FedEx Large Pak, and FedEx Sturdy Pak

☒ Other

6 Special Handling

Include FedEx address in Section 3.

☐ SATURDAY Delivery
Available ONLY for
FedEx Priority Overnight and
FedEx 2Day to select ZIP codes

☐ HOLD Weekday
at FedEx Location
NOT Available for
FedEx First Overnight

☐ HOLD Saturday
at FedEx Location
Available ONLY for
FedEx Priority Overnight and
FedEx 2Day to select locations

Does this shipment contain dangerous goods?

One box must be checked.

☒ No

☐ Yes
As per attached
Shipper's Declaration

☐ Yes
Shipper's Declaration
not required

☐ Dry Ice
Dry Ice, 9, UN 1845

x kg

Dangerous Goods (including Dry Ice) cannot be shipped in FedEx packaging.

☐ Cargo Aircraft Only

7 Payment Bill to:

Enter FedEx Acct. No. or Credit Card No. below.

☐ Sender
Acct. No. in Section
1 will be billed.

☒ Recipient

☐ Third Party

☐ Credit Card

☐ Cash/Check
FedEx Acct. No.
Credit Card No.

1032-6821-4

Exp.
Date

Total Packages

Total Weight

Total Declared Value†

\$.00

FedEx Use Only

†Our liability is limited to \$100 unless you declare a higher value. See back for details.

8 Release Signature

Sign to authorize delivery without obtaining signature.

 By signing you authorize us to deliver this shipment without obtaining a signature
and agree to indemnify and hold us harmless from any resulting claims.

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PULL AND RETAIN THIS COPY BEFORE AFFIXING TO THE PACKAGE.

Bonner Analytical Testing Company

Inhouse Chain of Custod

SDG Num: MY0SL3

Type: Water

	LabID	EPA Sample Number	Sample Description
1	BT82813	MY0SL3	MY0SL3
2	BT82814	MY0SL4	MY0SL4
3	BT82815	MY0SL6	MY0SL6
4	BT82816	MY0SL7	MY0SL7
5	BT82817	MY0SL8	MY0SL8
6	BT82818	MY0SL9	MY0SL9
7	BT82819	MY0SM0	MY0SM0
8	BT82819D	MY0SM0D	MY0SM0D
9	BT82819S	MY0SM0S	MY0SM0S
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			

Name: <u>Laurie Rinko</u>	Signature: <u>Laurie Rinko</u>	Date/Time: <u>3-21-03/0930</u>	Purpose: <u>Storage</u>
Name: <u>Mary Mital</u>	Signature: <u>Mary Mital</u>	Date/Time: <u>1015 3/21/03</u>	Purpose: <u>CN</u>
Name: <u>Mary Mital</u>	Signature: <u>Mary Mital</u>	Date/Time: <u>3-21-03/1030</u>	Purpose: <u>Storage</u>
Name: _____	Signature: _____	Date/Time: _____	Purpose: _____
Name: _____	Signature: _____	Date/Time: _____	Purpose: _____
Name: _____	Signature: _____	Date/Time: _____	Purpose: _____
Name: _____	Signature: _____	Date/Time: _____	Purpose: _____
Name: _____	Signature: _____	Date/Time: _____	Purpose: _____
Name: _____	Signature: _____	Date/Time: _____	Purpose: _____
Name: _____	Signature: _____	Date/Time: _____	Purpose: _____
Name: _____	Signature: _____	Date/Time: _____	Purpose: _____
Name: _____	Signature: _____	Date/Time: _____	Purpose: _____
Name: _____	Signature: _____	Date/Time: _____	Purpose: _____
Name: _____	Signature: _____	Date/Time: _____	Purpose: _____
Name: _____	Signature: _____	Date/Time: _____	Purpose: _____
Name: _____	Signature: _____	Date/Time: _____	Purpose: _____
Name: _____	Signature: _____	Date/Time: _____	Purpose: _____
Name: _____	Signature: _____	Date/Time: _____	Purpose: _____
Name: _____	Signature: _____	Date/Time: _____	Purpose: _____
Name: _____	Signature: _____	Date/Time: _____	Purpose: _____
Name: _____	Signature: _____	Date/Time: _____	Purpose: _____
Name: _____	Signature: _____	Date/Time: _____	Purpose: _____
Name: _____	Signature: _____	Date/Time: _____	Purpose: _____

M = Metals

HG = Mercury

CN = Cyanide

TS = Total Solids

D = Dispo

STANDARDS LOG

009

for 01 Astoria 01 / 02 Daily AnalysisAnalyst: Mary MithaleDate: 3-21-03

Description	EPA ID	Amount Spiked	Volume Made	Manufacturer	Initial Conc.	Lot#	Date Lot Expires	Final Conc.
Calibration Working Standard	S-WS-A	1.0 mL	100 mL	ERA	1000 ppm	03122	Dec-04	10 ppm
Calibration Working Standard	S-WS-B	10.0 mL	100 mL	S-WS-A	10 ppm	NA	24 hours	1 ppm
Calibration Blank	S0	NA	50 mL	In-house	NA	BA-032003	NA	NA
Calibration	S5	0.25 mL	50 mL	S-WS-B	1 ppm	NA	24 hours	5.0 ppb
Calibration	S10	0.50 mL	50 mL	S-WS-B	1 ppm	NA	24 hours	10 ppb
Calibration	S50	2.5 mL	50 mL	S-WS-B	1 ppm	NA	24 hours	50 ppb
Calibration	S100	5.0 mL	50 mL	S-WS-B	1 ppm	NA	24 hours	100 ppb
Calibration	S250	12.5 mL	50 mL	S-WS-B	1 ppm	NA	24 hours	250 ppb
Calibration	S500	25.0 mL	50 mL	S-WS-B	1 ppm	NA	24 hours	500 ppb
Range	Midrange	1.25 mL	50 mL	S-WS-A	10 ppm	NA	24 hours	250 ppb
Calibration Verification	ICV	0.5 mL	50 mL	EPA	9900 ppb	0400	NA	99 ppb
Calibration Blank	ICB	NA	50 mL	In-house	NA	BA-032003	Weekly	NA
Intract Required Quant. Limit	CRI	0.5 mL	50 mL	S-WS-B	1 ppm	NA	24 hours	10 ppb
Continuing Calibration Verification	CCV	12.5 mL	50 mL	S-WS-B	1 ppm	NA	24 hours	250 ppb
Continuing Calibration Blank	CCB	NA	50 mL	In-house	NA	BA-032003	Weekly	NA

Calculation for Dilutions: $(\text{Conc.} - \text{What You Have}) \times (\text{Vol.} - \text{What You Have}) = (\text{Conc.} - \text{What You Want}) \times (\text{Vol.} - \text{What You Want})$

All units must be the same

REVIEWED

Reviewed By: [Signature]

Supervisor

Date: 3/26/03

REV 1.1

10/04/02

CMB

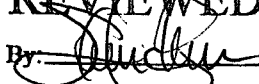
REAGENTS PREPARATION LOG

023

0.25N Sodium Hydroxide Solution

Preparation Date: 03/20/03 Prepared By: MLM Batch No.: BA-032003

Reagents	Conc. mg/L	Amount	Supplier	Lot Number	Received Date	Expiration Date
Deionized Water	Neat	3.5L	BATCO	NA	NA	NA
Sodium Hydroxide	Neat	35g	Baddley	Z114	2-28-02	NA

Instrument: AP 01 / 02 - & DistillationFinal Volume: 3.5LConcentration: 0.25NUsed For: Cyanide Distillation & DevelopmentExpiration Date: NAComments: 10 grams to 1 Liter = 0.25N. *** Must be filtered with 0.45um Titan Nylon Filter.35.0135g NaOHReviewed By: 
Supervisor/DateREVIEWED
By: 

REAGENTS PREPARATION LOG

024

1.25N Sodium Hydroxide Solution

Preparation Date: 03/20/03 Prepared By: MLM Batch No.: BA-032003

Reagents	Conc. mg/L	Amount	Supplier	Lot Number	Received Date	Expiration Date
Deionized Water	Neat	100 mL	BATCO	NA	NA	NA
Sodium Hydroxide	Neat	5.0 g	Baddley	2114	2-28-02	NA

Instrument: AP 01 / 02 - & DistillationFinal Volume: 100 mLConcentration: 1.25 NUsed For: Standards Prep.Expiration Date: NAComments: 5.0 grams to 100 mL = 1.25N.5.0311 g NaOHReviewed By: 

Supervisor/Date

3/20/03

REVIEWED

By: 

047

REAGENTS PREPARATION LOG

002

18N Sulfuric Acid Solution

Preparation Date: 3-3-03 Prepared By: MLMBatch No.: BA-030303

Reagents	Conc. mg/L	Amount	Supplier	Lot Number	Received Date	Expiration Date
Deionized Water	Neat	1 L	BATCO	NA	NA	NA
Sulfuric Acid	Neat	EM Science 1 L 3-3 MLM	EM Science	K27016402 939	3-3-03	NA

Instrument: Distillation

Final Volume: _____

Concentration: 18 Normal / 50%Used For: Cyanide DistillationExpiration Date: 6 MonthsComments: ***Add 500 mL Acid to 500 mL Water***Reviewed By: [Signature]Supervisor/Date 3/26/03

REVIEWED

By: [Signature]

048

REAGENTS PREPARATION LOG

028

Chloramine-T Solution

Preparation Date: 03/21/03 Prepared By: MLM Batch No.: BA-032103

Reagents	Conc. mg/L	Amount	Supplier	Lot Number	Received Date	Expiration Date
Deionized Water	Neat	250mL	BATCO	NA	NA	NA
Chloramine	Neat	1.0g	Aldrich	03703ED	2-22-02	NA

Instrument: AP 01 or 02Final Volume: 250mLConcentration: NAUsed For: Cyanide AnalysisExpiration Date Prepare fresh dailyComments: 0.4 grams to 100mL **Keep Refrigerated**

Must filter with 0.45 Titan Nylon Filter Before Use

Reviewed By: 

Supervisor/Date

REVIEWED

By: 

REAGENTS PREPARATION LOG**Magnesium Chloride Solution**Preparation Date: 3-3-03 Prepared By: MLM Batch No.: BA-030303

Reagents	Conc. mg/L	Amount	Supplier	Lot Number	Received Date	Expiration Date
Deionized Water	Neat	500mL	BATCO	NA	NA	NA
Magnesium Chloride - 6 H ₂ O	Neat	255g	Fisher	027035	NA	NA

Instrument: DistillationFinal Volume: 500mLConcentration: NAUsed For: Cyanide DistillationExpiration Date: 3 MonthsComments: Add 510 grams to 1000 mLs or DI Water.255.06g MgCl₂Reviewed By: 

Supervisor/Date

3/26/03**REVIEWED**By: 

REAGENTS PREPARATION LOG

026

Phosphate Buffer

Preparation Date: 03/26/03 Prepared By: MLM Batch No.: BA-032003

Reagents	Conc. mg/L	Amount	Supplier	Lot Number	Received Date	Expiration Date
Deionized Water	Neat	500 mL	BATCO	NA	NA	NA
Sodium Phosphate	Neat	69g	Beddley	B3440	1-29-03	NA
Brig-35	30%	3.0 mL	Astoria Pacific	220302	1-30-03	March 05

Instrument: AP 01 or 02Final Volume: 500 mLConcentration: NAUsed For: Cyanide DevelopmentExpiration Date 3 MonthsComments: Add 69 g. to 500 mL DI H2O. Filter with 0.45 Nylon then add 3 ml Brij-3569.08g NaPO4Reviewed By: MLM

Supervisor/Date

3/26/03

REVIEWED

By: MLM

051

REAGENTS PREPARATION LOG

Pyridine-barbituric Acid Solution

025

Preparation Date: 03/20/03 Prepared By: MLM Batch No.: BA-032003

Reagents	Conc. mg/L	Amount	Supplier	Lot Number	Received Date	Expiration Date
Deionized Water	Neat	500mL	BATCO	NA	NA	NA
Barbituric Acid	Neat.	7.5g	Buddley	M037	12-10-02	NA
Pyridine	Neat	37.5mL	Fisher	020277	2-17-03	NA
Hydrochloric Acid	Neat	7.5mL	Fisher	002719	5-22-01	NA

Instrument: AP 01 / 02Final Volume: 500mLConcentration: NAUsed For: Cyanide AnalysisExpiration Date: WeeklyComments: Dissolve 7.5g Barbituric to minimal DI water. Add 37.5 ml Pyridine then 7.5 ml HClMix and allow to cool to room temp. Dilute to 500 mLs. NYLON FILTERED (0.45um). Keep @ 4o C7.4951g Barbituric AcidReviewed By: MLM

Supervisor/Date

3/26/03

REVIEWED

By: MLM

052

REAGENTS PREPARATION LOG

004

Start Up Solution

Preparation Date: 3.3.03 Prepared By: MLM Batch No.: BA-030303

Reagents	Conc. mg/L	Amount	Supplier	Lot Number	Received Date	Expiration Date
Deionized Water	Neat	500mL	BATCO	NA	NA	NA
Brij - 35	30%	3.0mL	Astoria Pacific	220302	1-30-03	March 2005

Instrument: AP 01 / 02Final Volume : 500mLConcentration: NAUsed For: DevelopmentExpiration Date 1 MonthComments Add 3 mLs Brij-35 to 500 ml DI WaterReviewed By: 

Supervisor/Date

REVIEWED

By: 

Bonner Analytical Testing Co.

Cyanide Analytical Run Log

Report for C032103B.ACF [S1]

SDG No.: MY0SL3

Standards Prep Date: 03.21.03

Date: 3/21/2003

Case No.: 31520

Standards Log Page No.: 9

Base Configuration: clph20

Analyst: Mary McHale

Sam#	Identifier	Time	Test Name
1	ZZZZZZ	5:24:36 PM	CN <i>Cebs 3/26/03</i>
2	ZZZZZZ	5:25:31 PM	CN
3	ZZZZZZ	5:26:26 PM	CN
4	C1/S0	5:27:21 PM	CN
5	C2/S5	5:28:16 PM	CN
6	C3/S10	5:29:11 PM	CN
7	C4/S50	5:30:06 PM	CN
8	C5/S100	5:31:01 PM	CN
9	C6/S250	5:31:56 PM	CN
10	C7/S500	5:32:51 PM	CN
11	ICV01	5:33:45 PM	CN
12	ICB01	5:34:40 PM	CN
13	W/Baseline 01	5:35:35 PM	CN
14	MIDRANGE250	5:36:30 PM	CN
15	CRI01	5:37:25 PM	CN
16	CCV01	5:38:20 PM	CN
17	CCB01	5:39:15 PM	CN
18	PBW032103B01	5:40:10 PM	CN
19	MY0SL3	5:41:05 PM	CN
20	MY0SL4	5:42:00 PM	CN
21	MY0SL6	5:42:55 PM	CN
22	MY0SL7	5:43:50 PM	CN
23	MY0SL8	5:44:45 PM	CN
24	MY0SL9	5:45:40 PM	CN
25	MY0SM0	5:46:35 PM	CN
26	MY0SM0D	5:47:29 PM	CN
27	MY0SM0S	5:48:24 PM	CN
28	CCV02	5:49:19 PM	CN
29	CCB02	5:50:14 PM	CN
30	CRI02	5:51:09 PM	CN
31	CCV03	5:52:04 PM	CN
32	CCB03	5:52:59 PM	CN
33	W/Baseline	5:53:54 PM	CN <i>NA</i>

Sam#	Identifier	Time	Test Name
------	------------	------	-----------

REVIEWED

By: 

Laurie Rinko

From: Sturdavant, Holly [Holly.Sturdavant@dyncorp.com]
Sent: Thursday, March 20, 2003 3:31 PM
To: GenBonner (E-mail); Laurie Rinko (E-mail)
Cc: Rich Freitas (E-mail); Steve Remaley (E-mail)
Subject: Region 09 | Case 31520 | Lab BONNER | Issue Multiple | FINAL

Laurie,

Following are the resolutions from Region 9 regarding the issues for Case 31520.

Issue 1: The lab was scheduled to receive 4 each, soil & water. The lab received 5 soil & 4 water and the Case is not complete. Can the sampler provide a reason for over shipment?

Resolution 1: Per Region 9, three extra samples were required. This information was not known in advance. Please proceed with the analysis of all samples.

Issue 2: The custody seals are present and intact, but are not preprinted with numbers, just handwritten signature and date.

Resolution 2: The Region states that the samplers used regular custody seals as provided by Region 9. Please note the issue and proceed with the analysis.

Issue 3: No sample tags on the containers and none listed on the TR/COC.

Resolution 3: In accordance with previous direction from Region 9, Region 9 does not use sample tags. The lab will note the issue in the SDG narrative and proceed with the analysis of the samples.

Issue 4: Two of the groundwater samples (MY0SL3 and MY0SL4) seem to contain a lot of solid (soil) matter. Should the lab analyze these samples as two-phase samples or as aqueous only?

Resolution 4: Per Region 9, the lab will analyze samples MY0SL3 and MY0SL4 as aqueous only samples. These are water samples with excess sediment entrained. The lab will note the issue in the SDG narrative and proceed with the analysis of the samples.

Issue 5: The TR/COC indicates that the shipment for case is not complete.

The lab will wait for remaining samples before assigning SDG numbers. Is this acceptable to Region 9?

Resolution 5: Per the Region, the lab will wait for remaining samples before assigning SDG numbers. The lab should receive the remaining samples for this Case tomorrow.

Issue 6: The lab QC sample designated was for soil samples only - no water lab QC sample was designated. The lab will wait for remaining samples before choosing QC for water samples, if none is listed on the next TR/COC.

Resolution 5: Per the Region, the water QC sample was shipped today. It

is
MYOSMO.

055

Please note all issues in the SDG narrative and please let me know if you have any other questions or problems.

Thanks,
Holly

Holly Rogers Sturdavant
CSC
CLP Coordinator for Regions 3 & 9
703-264-9526
holly.sturdavant@dyncorp.com or holly.rogers@dyncorp.com

-----Original Message-----

From: Freitas.Richard@epamail.epa.gov
[mailto:Freitas.Richard@epamail.epa.gov]
Sent: Thursday, March 20, 2003 3:51 PM
To: Sturdavant, Holly
Cc: Steve Remaley (E-mail)
Subject: Re: Region 09 | Case 31520 | Lab BONNER | Issue Multiple

Response to questions

From: "Sturdavant, Holly"<Holly.Sturdavant@dyncorp.com>
To: Richard Freitas/R9/USEPA/US@EPA, Steve Remaley/R9/USEPA/US@EPA
CC:
Subject: Region 09 | Case 31520 | Lab BONNER | Issue Multiple
03/20/2003 10:50 AM

Rich,

Following is an email from BONNER regarding samples received for Case 31520.

The lab has the following issues with samples received.

Issue 1: The lab was scheduled to receive 4 each, soil & water. The lab received 5 soil & 4 water and the Case is not complete. Can the sampler provide a reason for overshipment?

Response: Three extra samples were required. Not known in advance.

Issue 2: The custody seals are present and intact, but are not preprinted with numbers, just handwritten signature and date.
Respond: Unknown. Samplers used regular custody seals as provided by region

9

Issue 3: No sample tags on the containers and none listed on the TR/COC.

This issue can be resolved using Region 9 Standard Answers.

Issue 4: Two of the groundwater samples (MYOSL3 and MYOSL4) seem to contain a lot of solid (soil) matter. Should the lab analyze these samples

as two-phase samples or as aqueous only?

Response: Analyze as aqueous only. These are water samples with excess sediment entrained.

Issue 5: The TR/COC indicates that the shipment for case is not complete.
The lab will wait for remaining samples before assigning SDG numbers.

Is
this acceptable to Region 9?
Response: Yes.

Issue 6: The lab QC sample designated was for soil samples only - no water lab QC sample was designated. The lab will wait for remaining samples before choosing QC for water samples, if none is listed on the next TR/COC.

Response: The QC samples were shipped today. It is MYOSMO.

Please advise on how the lab should proceed regarding issues 1,2,4,5, and 6.

Thanks,
Holly

Holly Rogers Sturdavant
CSC
CLP Coordinator for Regions 3 & 9
703-264-9526
holly.sturdavant@dyncorp.com or holly.rogers@dyncorp.com

-----Original Message-----

From: Laurie Rinko [mailto:lrinko@batco.com]
Sent: Thursday, March 20, 2003 11:49 AM
To: Sturdavant, Holly
Subject: Region 9 | Case 31520

Good Morning, Holly!

We received our shipment today, but there are a few discrepancies.

(1) We have not received a shipping notice, but the scheduling notice indicated 4 each, soil & water. We received 5 soil & 4 water.

(2) The custody seals are present and intact, but are not preprinted with numbers, just handwritten signature and date.

(3) No sample tags on the containers and none listed on the TR/COC.

(4) Two of the groundwater samples (MYOSL3 and MYOSL4) seem to contain alot of solid (soil) matter. Are we to analyze these samples as two-phase samples or as aqueous only?

(5) The TR/COC indicates that the shipment for case is not complete. I will wait for remaining samples before assigning SDG numbers.

(6) QC listed was for soil samples, but not for water samples. Again, I will wait for remaining samples before choosing QC for water samples, if none is listed on the next TR/COC.

I will wait for resolutions from you before proceeding with sample analysis.
Thanks for your help.

Laurie Rinko
Bonner Analytical
Contract # 68W02067
Case 31520

